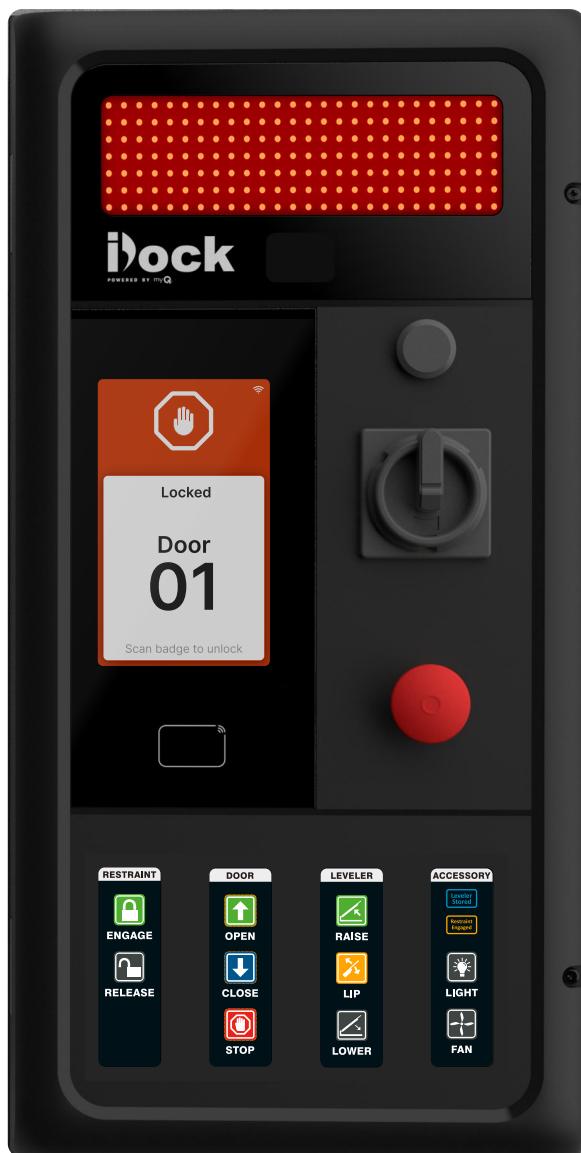




iDock® 2.0

Control System

Owner's/User's Manual



Systems, LLC • Poweramp • McGuire • DLM • W194 N11481 McCormick Drive • Germantown, WI 53022

800.643.5424 • fax: 262.255.5917 • www.loadingdocksystems.com • techservices@loadingdocksystems.com

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PRECAUTIONS

Recognize Precautionary Information

Safety-Alert Symbol



The Safety-Alert Symbol is a graphic representation intended to convey a safety message without the use of words. When you see this symbol, be alert to the possibility of death or serious injury. Follow the instructions in the safety message panel.

DANGER

The use of the word DANGER signifies the presence of an extreme hazard or unsafe practice which will most likely result in death or severe injury.

WARNING

The use of the word WARNING signifies the presence of a serious hazard or unsafe practice which could result in death or serious injury.

CAUTION

The use of the word CAUTION signifies possible hazard or unsafe practice which could result in minor or moderate injury.

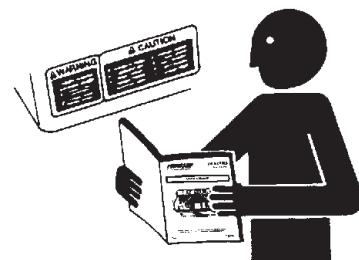
NOTICE

The use of the word NOTICE indicates information considered important, but not hazard-related, to prevent machine or property damage.

SAFETY INSTRUCTIONS

Indicates a type of safety sign, or separate panel on a safety sign, where safety-related instructions or procedures are described.

General Operational Precautions



Read and understand the Owner's/User's Manual and become thoroughly familiar with the equipment and its controls before operating the equipment.

Never operate dock equipment while a safety device or guard is removed or disconnected.

Never remove DANGER, WARNING, or CAUTION signs, Placards or Decals on the equipment unless replacing them.

PRECAUTIONS

Operational Precautions

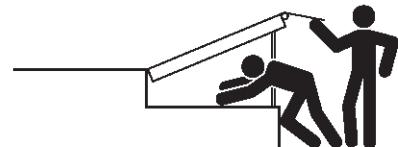


Learn the safe way to operate this equipment. Read and understand the manufacturer's instructions. If you have any questions, ask your supervisor.

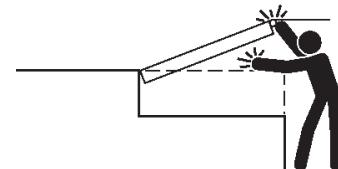
DANGER



Stay clear of dock leveling device when transport vehicle is entering or leaving area.

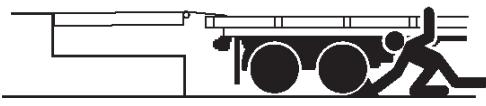


Do not move or use the dock leveling device if anyone is under or in front of it.

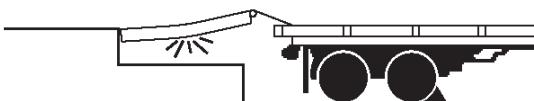


Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

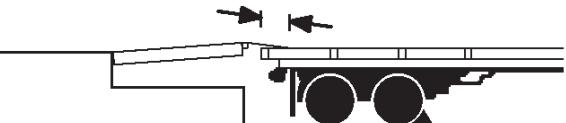
WARNING



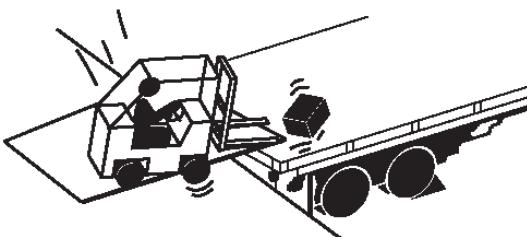
Chock/restrain all transport vehicles. Never remove the wheel chocks or release the restraining device until loading or unloading is finished, and transport driver has been given permission to drive away.



Do not use a broken or damaged dock leveling device or restraining device. Make sure proper service and maintenance procedures have been performed before using.



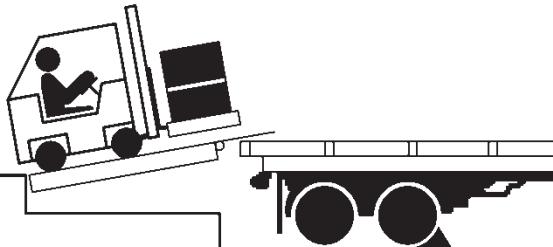
Make sure lip overlaps onto transport vehicle bed at least 4 in. (102 mm).



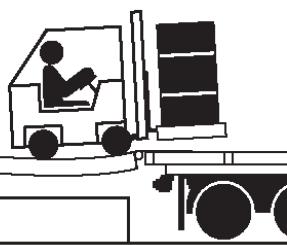
Keep a safe distance from both side edges.

Operational Precautions

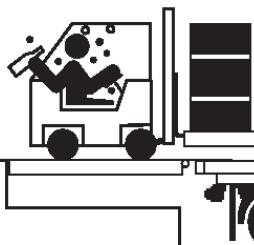
! WARNING



Do not use dock leveling device if transport vehicle is too high or too low.



Do not overload the dock leveling device.



Do not operate any equipment while under the influence of alcohol or drugs.



Do not leave equipment or material unattended on dock leveling device.

REGULATORY INFORMATION

WARNING

This product can expose you to chemicals including lead, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

NOTICE: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Canada's portable RF exposure limit for an uncontrolled environment and is safe for intended operation as described in this manual. Further RF exposure reduction can be achieved if the product is kept as far as possible from the users/bystanders or by setting the device to lower output power if such function is available.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules and Industry Canada ICES standard. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

REGULATORY INFORMATION

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OWNER'S/USER'S RESPONSIBILITIES

- 1) The manufacturer shall provide to the initial purchaser and make the following information readily available to the owners/users and their agents, all necessary information regarding Safety Information, Operation, Installation and Safety Precautions, Recommended Initial and Periodic Inspections Procedures, Planned Maintenance Schedule, Product Specifications, Troubleshooting Guide, Parts Break Down, Warranty Information, and Manufacturers Contact Information, as well as tables to identify the grade(slope) for all variations of length or configuration of the dock leveling device and information identifying the maximum uncontrolled drop encountered when sudden removal of support while in the working range of the equipment.
- 2) When selecting loading dock safety equipment, it is important to consider not only present requirements but also future plans and any possible adverse conditions, environmental factors or usage. The owners/users shall provide application information to the manufacturer to receive recommendations on appropriate equipment specifications and capacity.
- 3) The owner/user must see all nameplates, placards, decals, instructions and posted warnings are in place and legible and shall not be obscured from the view of the operator or maintenance personnel for whom such warnings are intended for. Contact manufacturer for any replacements.
- 4) Dock leveling devices may become hazardous if the manufacturer's instructions regarding modifications or adjustments are not followed. Modifications or alterations of dock leveling devices shall only be made with prior written approval from the original manufacturer. These changes shall be in conformance with all applicable provisions of the MH30.1 standard and shall also satisfy all safety recommendations of the original equipment manufacturer of the particular application.
- 5) Modifications or alterations of restraining devices shall be made only with prior written approval from the original manufacturer. These changes shall be in conformance with all applicable provisions of the MH30.3 standard and shall also satisfy all safety recommendations of the original equipment manufacturer of the particular application.
- 6) The owner/user should recognize the inherent dangers of the interface between the loading dock and the transport vehicle. The owner/ user should, therefore, train and instruct all operators in the safe operation and use of the loading dock equipment in accordance with manufacturer's recommendations and industry standards. Effective operator training should also focus on the owner's/ user's company policies, operating conditions and the manufacturer's specific instructions provided with the dock leveling device. Maintaining, updating and retraining all operators on safe working habits and operation of the equipment, regardless of previous experience, should be done on a regular basis and should include an understanding and familiarity with all functions of the equipment. Owners/users shall actively maintain, update and retrain all operators on safe working habits and operations of the equipment.
- 7) An operator training program should consist of, but not necessarily be limited to, the following:
 - a) Select the operator carefully. Consider the physical qualifications, job attitude and aptitude.
 - b) Assure that the operator reads and fully understands the complete manufacturer's owners/ users manual.
 - c) Emphasize the impact of proper operation upon the operator, other personnel, material being handled, and equipment. Cite all rules and why they are formulated.
 - d) Describe the basic fundamentals of the dock leveling device and components design as related to safety, e.g., mechanical limitation, stability, functionality, etc.
 - e) Introduce the equipment. Show the control locations and demonstrate its functions. Explain how they work when used properly and maintained as well as problems when they are used improperly.
 - f) Assure that the operator understands the capacity rating, nameplate data, placards and all precautionary information appearing on the dock leveling device.
 - g) Supervise operator practice of equipment.
 - h) Develop and administer written and practical performance tests. Evaluate progress during and at completion of the course.
 - i) Administer periodic refresher courses. These may be condensed versions of the primary course and include on-the-job operator evaluation.
- 8) Loading dock safety equipment should never be used outside of its vertical working range, or outside the manufacturer's rated capacity. It shall also be compatible with the loading equipment and other conditions related to dock activity.

OWNER'S/USER'S RESPONSIBILITIES

Please consult the manufacturer if you have any questions as to the use, vertical working range or capacity of the equipment. Only properly trained and authorized personnel should operate the equipment.

- 9) It is recommended that the transport vehicle is positioned as close as practical to the dock leveling device and in contact with both bumpers. When an industrial vehicle is driven on or off a transport vehicle during loading and unloading operations, the transport vehicle parking brakes shall be applied and wheel chocks or a restraining device that provides equal or better protection of wheel chocks shall be engaged. Also, whenever possible, air-ride suspension systems should have the air exhausted prior to performing said loading and unloading operations.
- 10) When goods are transferred between the loading dock and a trailer resting on its support legs/ landing gear instead of a tractor fifth wheel or converter dolly, it is recommended that an adequate stabilizing device or devices shall be utilized at the front of the trailer.
- 11) In order to be entitled to the benefits of the standard product warranty, the dock safety equipment must have been properly installed, maintained and operated in accordance with all manufacturer's recommendations and/or specified design parameters and not otherwise have been subject to abuse, misuse, misapplication, acts of nature, overloading, unauthorized repair or modification, application in a corrosive environment or lack of maintenance. Periodic lubrication, adjustment and inspection in accordance with all manufacturers' recommendations are the sole responsibility of the owner/user.
- 12) Manufacturer's recommended maintenance and inspection of all dock leveling and vehicle restraining devices shall be performed in conformance with the following practices: A planned maintenance schedule program must be followed, only trained and authorized personnel shall be permitted to maintain, repair, adjust and inspect dock leveling devices, and only the use of original equipment manufacturer parts, manuals, maintenance instructions, labels, decals and placards or their equivalent. Written documentation of maintenance, replacement parts or damage should be kept. In the event of damage, notification to the manufacturer is required.
- 13) Loading dock devices that are structurally damaged or have experienced a sudden loss of support while under load, such as might occur when a transport vehicle is pulled out from under the dock leveling device, shall be removed from service, inspected by a manufacturer's authorized representative, and repaired or replaced as needed or recommended by the manufacturer before being placed back in service.
- 14) Restraining devices that are structurally damaged shall be removed from service, inspected by a manufacturer's authorized representative, and repaired or replaced as needed or recommended by the manufacturer before being placed back in service.

INTRODUCTION

General Information



This manual provides current information on the iDock 2.0 Control System. Due to ongoing product improvement, some parts may have changed, along with operation and troubleshooting methods. This manual describes these changes where applicable.

The iDock 2.0 Control System is a technologically advanced push-button controller and light communication system used with Systems, LLC loading dock equipment. When configured for myQ Enterprise, the iDock 2.0 provides valuable analytics for loading dock operations.

iDock Control Systems feature a modular design for customizable equipment configurations. A 3-in-1 LED bar communicates system status for operator safety. A touch screen display provides ease of use and menu navigation. Modular control buttons provide positive control feedback and easy customization for optional equipment. Forward facing camera is standard on all iDock 2 controllers.

Each iDock 2.0 Control System has been factory tested to ensure satisfactory operation.

To illustrate field electrical connections, electrical drawings are included with each order. Or, by contacting Systems, LLC Technical Services.

iDock 2.0 Control Systems are available in the following models:

iDock

- Dock Alert/Light Communication System
- Pit or HED Leveler
- Pit Leveler w/Lip Out
- Vertical Leveler
- Vehicle Restraint
- Pit or HED Leveler w/Vehicle Restraint
- Pit Leveler w/Lip Out & Vehicle Restraint
- Vertical Leveler w/Vehicle Restraint

Optional Equipment

- CentraPower® (Poweramp® only)
- Overhead Door Controls/Sensors
- Emergency Stop
- Dock Light Controls
- Edge Lights
- Fluid Level Sensor
- Material Handler Activity Sensor
- Transport Vehicle Presence Sensor
- Guide Lights
- LiftMaster® Operator Integration
- RFID Card Reader
- Dock Fan Controls
- myQ® Enterprise

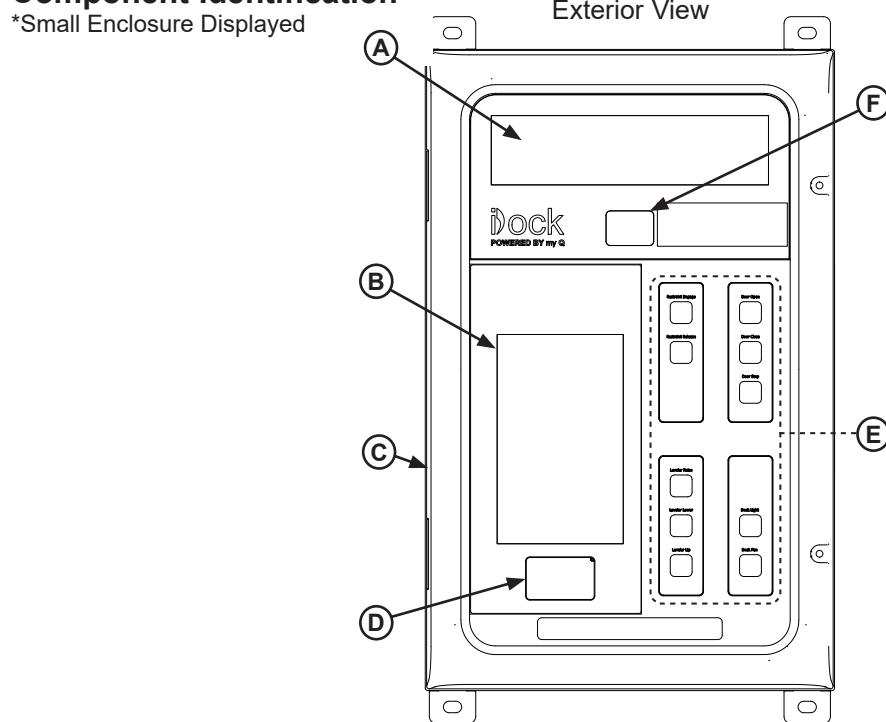
Call Systems, LLC to discuss available options to meet your specific needs.

Technical Service at 800-643-5424 or techservices@loadingdocksystems.com

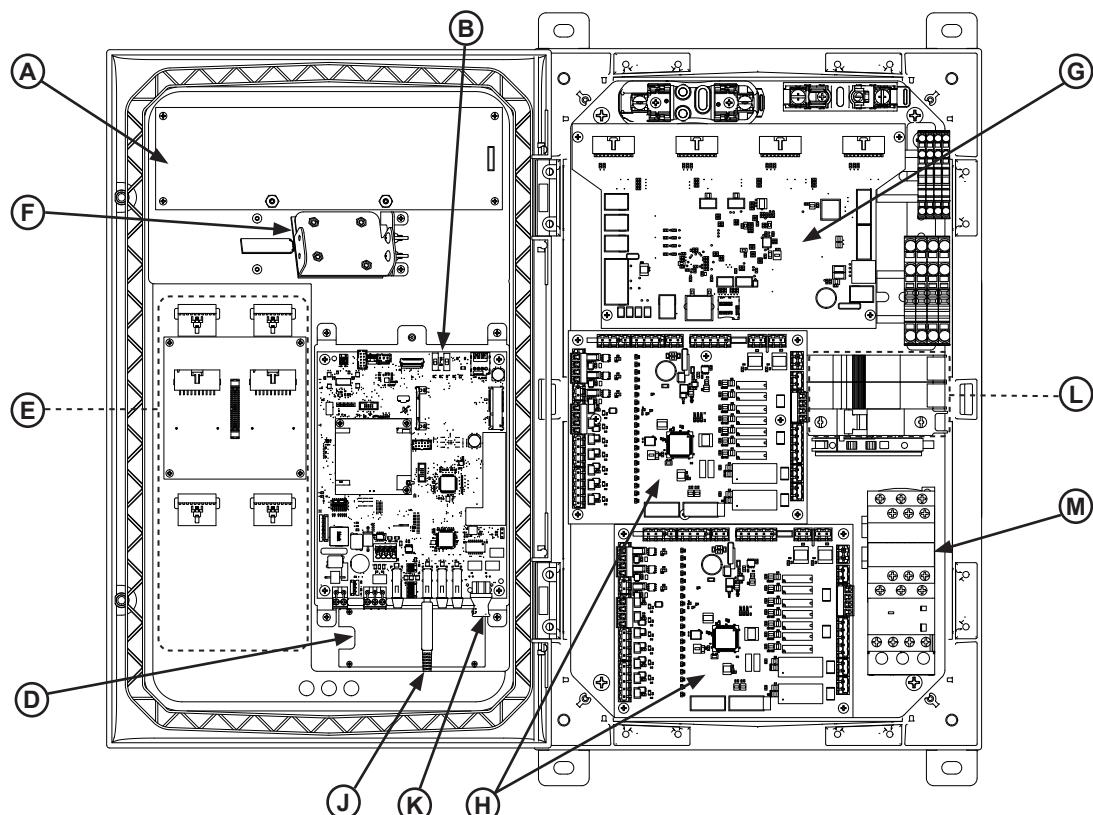
INTRODUCTION

Component Identification

*Small Enclosure Displayed



Interior View



A — 3-in-1 LED Bar

B — Touch Screen Display
C — Enclosure*

D — Card Reader

E — Push Buttons
F — Camera

G — Controller Board

H — I/O Board
I — Main BUS
J — USB Cable, Camera

K — Cable, Main BUS

L — Circuit Breakers*
M — Motor Starter*

*Appearance may vary depending on equipment options.

INTRODUCTION

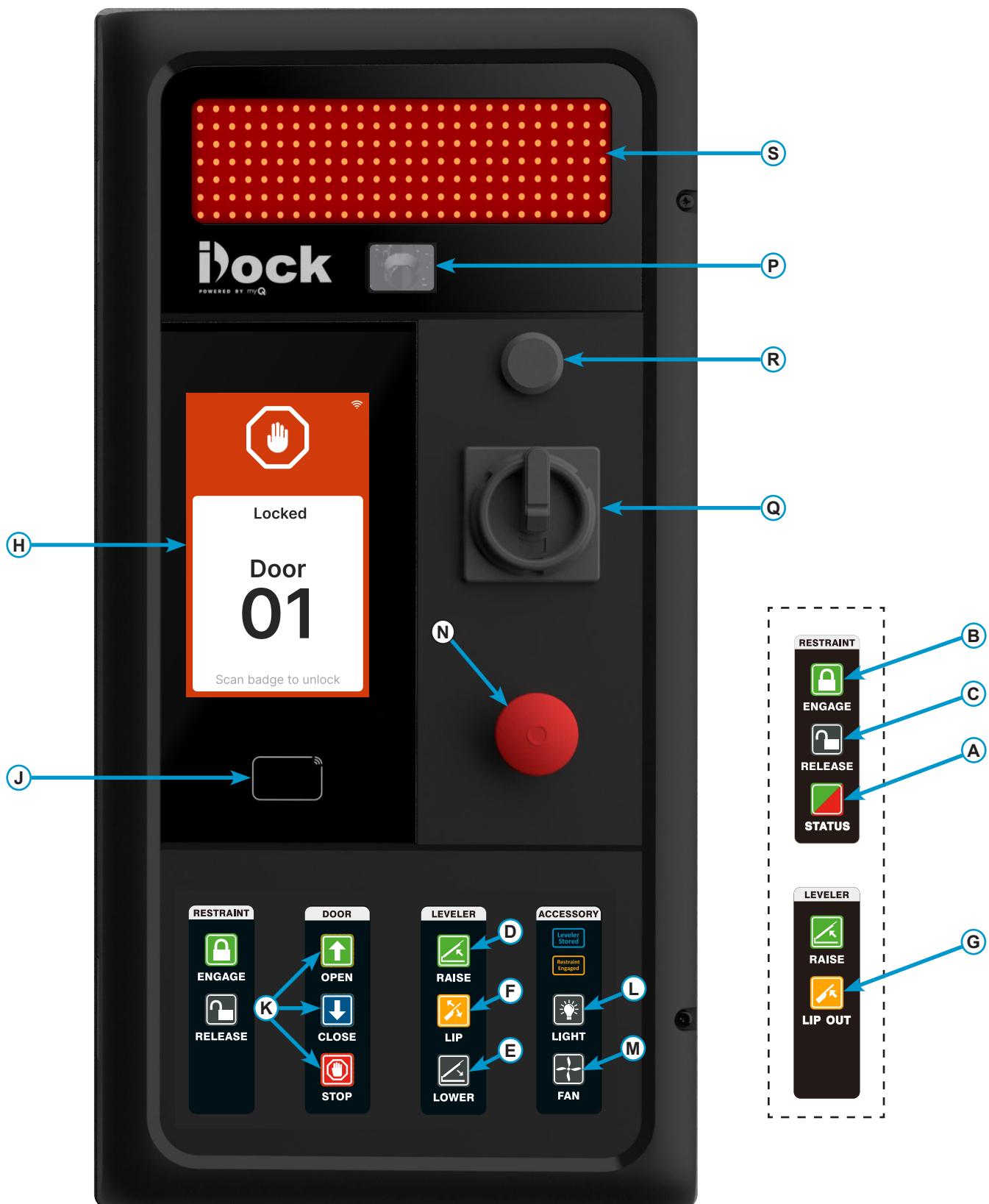
Definitions

Throughout this manual, many different button inputs and system functions of the iDock Control System are referenced. This section defines these inputs/functions on the user interface. Appearance will vary based on equipment configurations:

- **(A) DOCK ALERT STATUS BUTTON** - To change the status of the Dock Alert light communication system.
- **(B) ENGAGE BUTTON** - To activate vehicle restraint to capture transport vehicle rear impact guard (RIG).
- **(C) RELEASE BUTTON** - To disengage vehicle restraint from transport vehicle RIG.
- **(D) RAISE BUTTON** - To activate dock leveler from a lowered or stored position.
- **(E) LOWER BUTTON** - To activate dock leveler from a raised position.
(VS and VSH models only)
- **(F) LIP BUTTON** - To control the lip plate position.
(VS and VSH models only)
- **(G) LIP OUT BUTTON** - To control the lip plate position. Extends the lip plate on demand.
- **(H) TOUCH SCREEN / DISPLAY** - Communicates system status and equipment operation steps. Provides access to controller menus, settings and data.
- **(J) RFID CARD READER** - Verifies user credentials to allow authorized use of dock equipment.
- **(K) OPTIONAL OVERHEAD DOOR BUTTONS** - Optional buttons to control an integrated door operator.
- **(L) OPTIONAL DOCK LIGHT CONTROL** - Optional button controlling integrated dock light.
- **(M) OPTIONAL DOCK FAN CONTROL** - Optional button that switches on/off an optional dock fan.
- **(N) OPTIONAL EMERGENCY STOP** - Optional button to stop equipment in emergency situations.
- **(P) FORWARD FACING CAMERA** - Camera facing loading dock, inside of building.
- **(Q) ELECTRICAL DISCONNECT SWITCH** - Disconnects incoming power for service/maintenance. (Optional)
- **(R) AUDIBLE ALARM** - Alarm that communicates system status to enhance operator safety.
- **(S) INSIDE COMMUNICATION LIGHT** - Multicolor LED that communicates system status for operator safety.
- **Main Menu** - The menu that is accessed via the touch screen (H). See page 20 for more information.
- **User Code** - Used to secure access to BYPASS mode. No code is default from factory. Owner/User is responsible to define 3-digit code if required; this code can be added or changed at any time. See page 18 for more information.
- **Maintenance Code** - Used to secure access to the MAINTENANCE menu. No code is default from factory. Owner/User is responsible to define 8-digit code if required; this code can be added or changed at any time. See page 18 for more information.

INTRODUCTION

Medium Enclosure Shown



Controller appearance may vary depending on optional equipment.

INSTALLATION

Installation Precautions

DANGER

Make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

WARNING

A hard hat or other applicable head protection should always be worn when working under or around a dock leveler.

Always stand clear of platform lip when working in front of the dock leveler.

CAUTION

All electrical work — including the installation of the disconnect panel, control panel, and final connections to the pit junction box — must be performed by a certified electrician and conform to all local and applicable national codes.

CAUTION

Overhead door operators capable of remote operation can bypass iDock controller door interlock(s) when operated remotely! Always utilize the dry contact interlock terminals in the controller to provide the requisite signal and prevent remote door operation until the equipment is not in use.

NOTICE

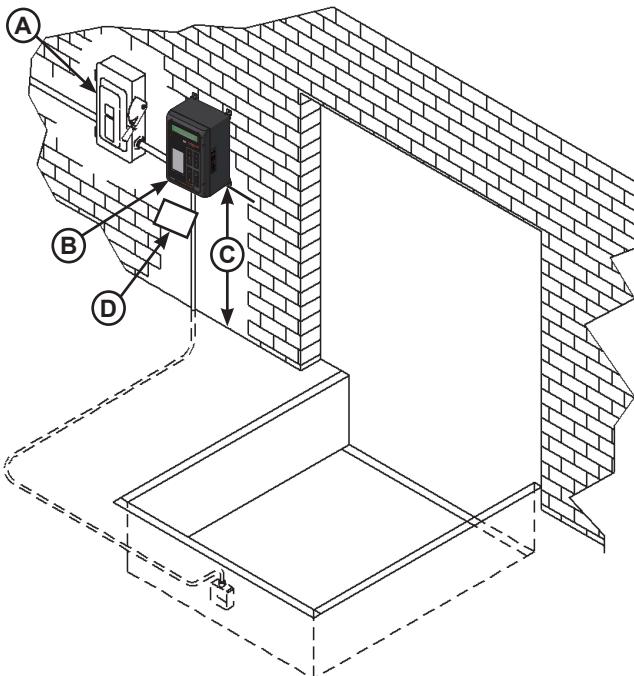
DO NOT connect any dock equipment electrical wiring or ground connections until all welding has been completed.

Failure to follow these instructions may damage the motor, hydraulics, wiring, and/or control panel.

NOTICE

Where indicated, all components must be connected to a SAFETY EARTH GROUND that conforms to the 1999 National Electrical Code Section 250-50 section (a) or section (c) for a grounding electrode system.

Mounting Control Panel



A—Disconnect Panel (provided by others)
B—iDock 2 Panel
C—Distance, 48 in. (1219 mm)
D—Placard

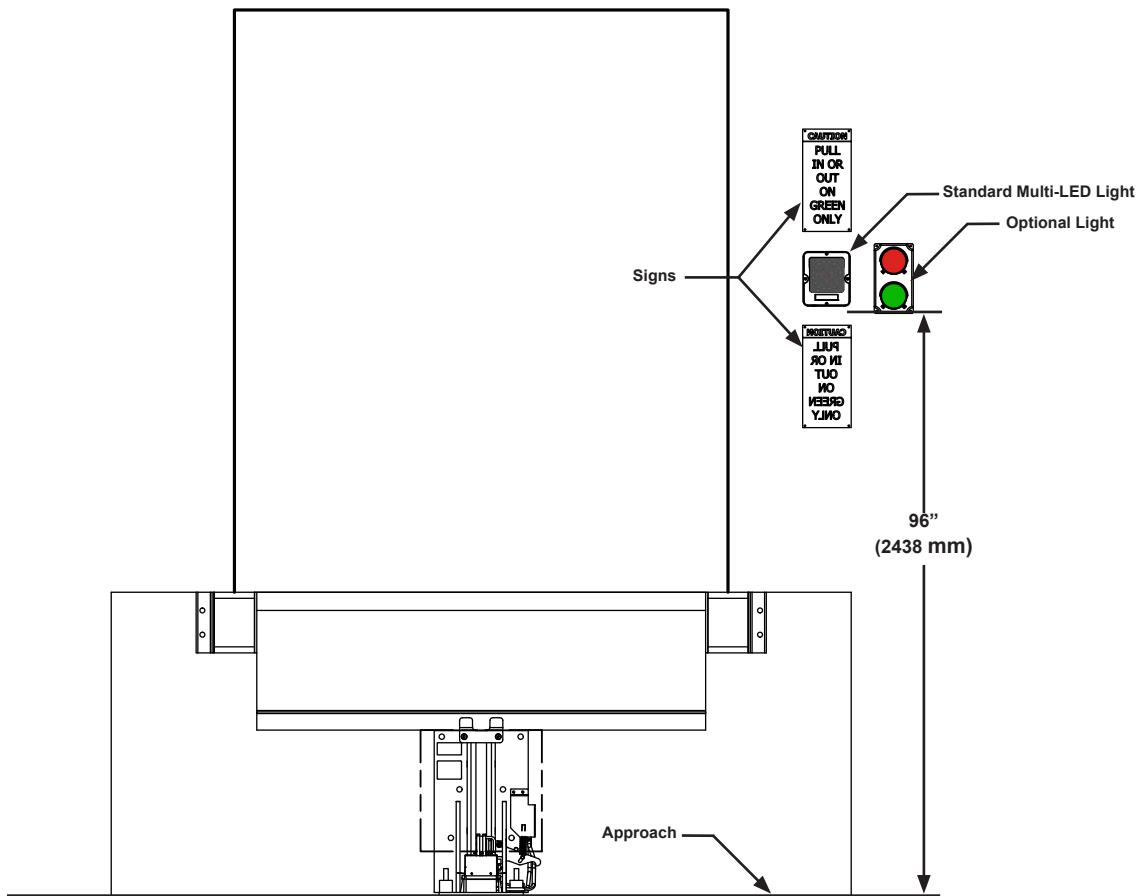
1. Mount the control panel (B) so bottom of control panel-to-dock floor distance is 48 in. (1219 mm, C).
2. Install electrical disconnect panel (A) if not already installed (provided by others). It is recommended to locate disconnect panel adjacent to control panel (B).
3. Install and connect the control wiring as shown in installation drawings.
4. Connect the control wiring to the field wires in the dock equipment junction boxes. Refer to the electrical diagrams supplied with the dock equipment.

Note: When installing electrical controls in a temperature-controlled environment, the installer must determine an appropriate means to isolate/prevent thermal and vapor transfer through electrical conduit where conduit routing crosses temperature zones. Systems, LLC is not responsible for any damage due to moisture collecting inside the control panel caused by improper isolation/prevention of thermal and vapor transfer through the conduit. Refer to Tech Service Bulletin 19-053 for more information.

5. Install placard (D). Make sure placard is in plain view of dock leveler and/or vehicle restraint operations. Suggested placement of placard is near control box attached to electrical conduit by using nylon cable tie.

INSTALLATION

Install Outside Light Assembly and Signs



Note: Installation measurements shown are recommended based on typical dock conditions. Some installations may require alternate placement.

1. Mount the Outside Light Assembly so bottom of outside light-to-drive distance is 96 in. (2438 mm).
2. Connect the wiring for the Outside Light Assembly.
3. Install "CAUTION: PULL IN OR OUT ON GREEN ONLY" signs on outside of building above and below Outside Light Assembly.
4. Install "CAUTION: ENTER ON GREEN ONLY" sign inside building near control box.
5. Proceed with System Configuration (page 12).

NOTICE

The iDock Control System is designed to function with 12v DC outside lights only.

Using 115v AC or other non-12v DC outside lights and wiring will cause the iDock Control System to enter a fault state and equipment will not function.

If 12v DC outside lights are already present and functioning, they can be re-used, but new wiring should always be run to ensure correct operation.

INSTALLATION

System Initialization - Power On

Enter New Equipment Information

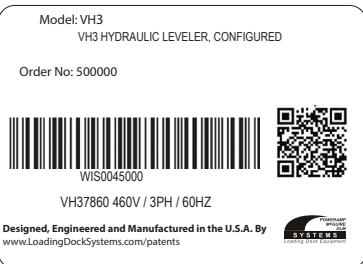
1. Turn system power ON with external disconnect.

The first time the controller is powered on, it will request equipment and facility information. Populating these fields is recommended for future reference and data analytics, when paired with myQ Enterprise.

2. **Restraint:** Enter the vehicle restraint serial number as shown on the Systems, LLC label underneath the bar code. (Located on Restraint)



3. **Leveler:** Enter the dock leveler serial number as shown on the Systems, LLC label underneath the bar code. (Located on left side of Leveler platform)



4. **Loading Dock:** Enter dock number and position as required:

Dock numbers up to 4 digits long can be entered, and door position can be selected from the following:

- SHIPPING
- RECEIVING
- NORTH
- SOUTH
- EAST
- WEST
- FRONT
- BACK
- SIDE

5. **Door Position Monitor:** Default setting is disabled. If the controller is using door position sensors for myQ Enterprise, choose Enable.

6. When all selections have been made, choose **Save Configuration**. This will reset the controller board and apply the changes.

Field Installation Settings

Serial Number 12345678

Restraint Serial Number 12345678 >

Leveler Serial Number 12345678 >

Dock Number 0000 >

Dock Position >

Door Position Monitor Disabled Enabled

Save Configuration

^ | v

System Settings

After the iDock Control System has been installed, it may be necessary to change system Settings to suit end user's specific needs.

To access the Settings menu:

1. Turn system power ON with external disconnect.
2. Unlock Screen using pin code or card reader if enabled.
3. Access the settings menu by clicking on the gear icon.
4. Then, select Settings.

Note: Maintenance Code will be required to access the Settings menu if code has been changed from default.

5. From the Settings menu, the following can be selected:
 - Language
 - Lights
 - Date and Time
 - Pin Code
 - Timers
 - Network
 - iDock Configuration
 - Update Firmware
6. Press ← button to exit or return to the previous menu.

Door 01

Ready to Use



Ready to Use:
Engage Restraint

Main Menu

Lock iDock Controller

Bypass Restraint

Equipment Info

Counters

Maintenance

Settings

Settings

Language

Lights

Date & Time

PIN Code

Timers

Network

iDock Configuration

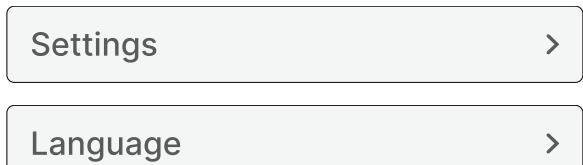
Update Firmware

SYSTEM SETTINGS

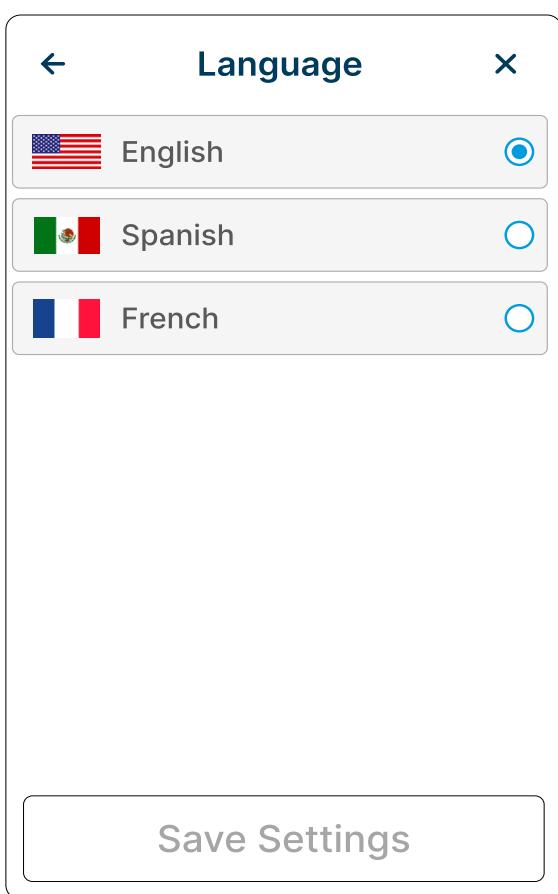
User Language

Access the Settings menu:

1. Press gear icon  to enter the Main Menu. Then choose Settings > Language:



2. Choose from the available language options:

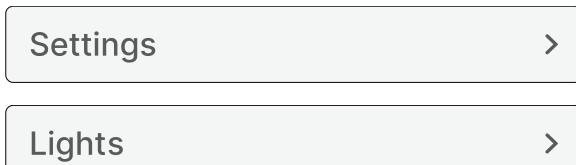


3. Confirm selection by pressing Save Settings.

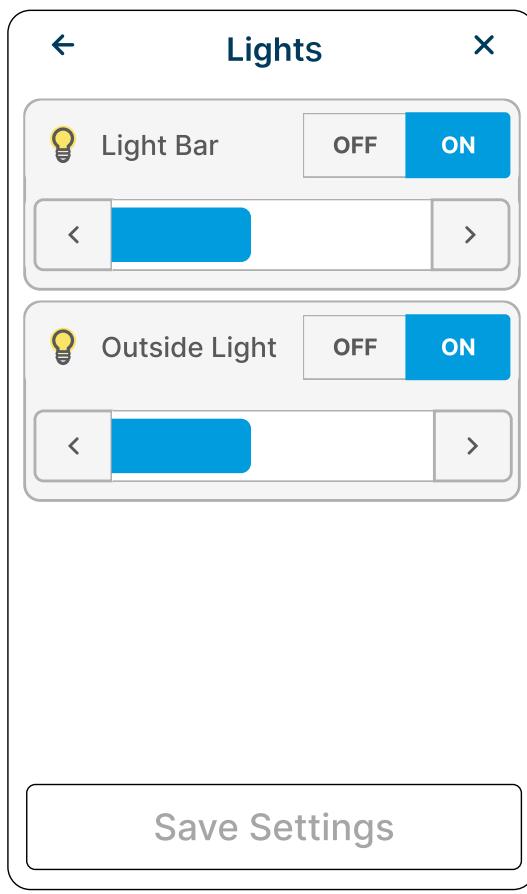
Lights

Access the Settings menu:

1. Press gear icon  to enter the Main Menu. Then choose Settings > Lights:



2. This menu turns the inside and outside lights on/off and adjusts brightness levels:



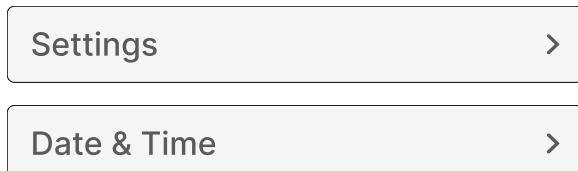
3. Confirm selections by pressing Save Settings.

SYSTEM SETTINGS

Date and Time

Access the Settings menu:

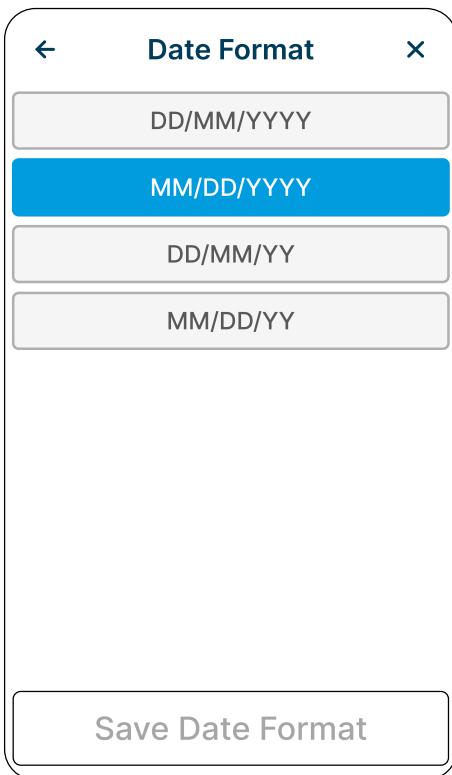
1. Press gear icon  to enter the Main Menu. Then choose Settings > Date and Time:



2. This Menu allows changes to the date format, adjusting date and time and setting the time zone.

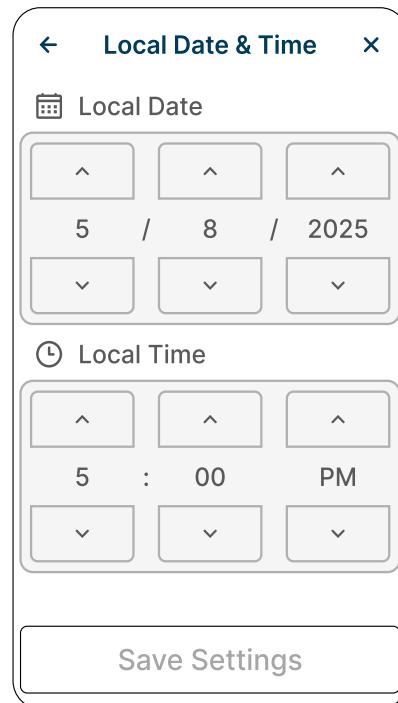


3. Press Date Format to adjust those settings. Then choose from the following:

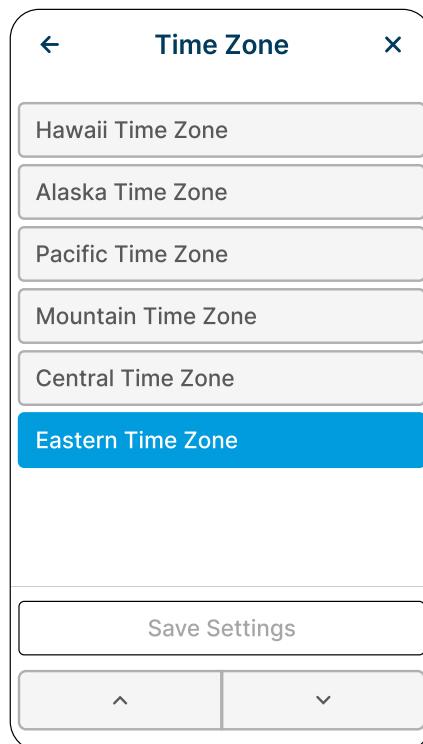


4. Confirm selection by pressing Save Date Format.

5. Select Local Date & Time to adjust those settings.
6. Confirm selections by pressing Save Settings.



7. Press Time Zone to adjust setting:



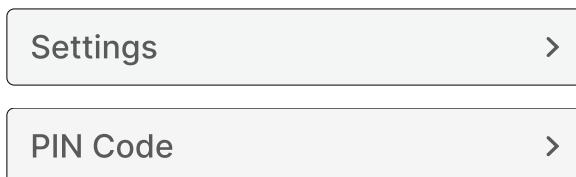
8. Confirm selection by pressing Save Settings.

SYSTEM SETTINGS

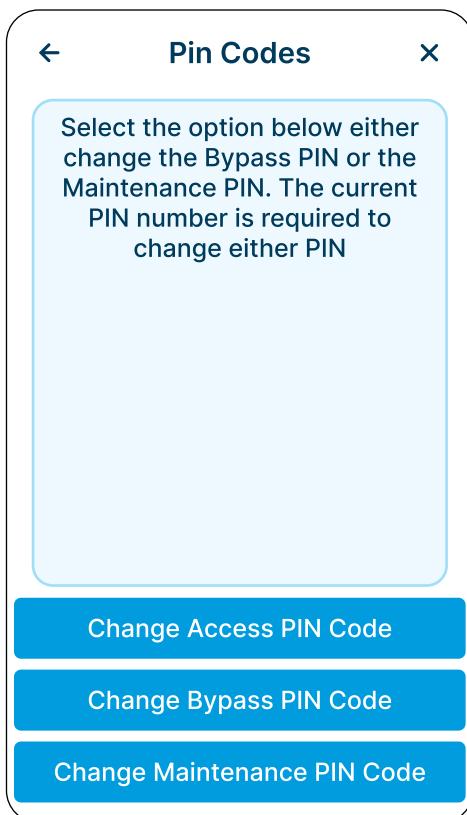
Pin Code - User Access

Access the Settings menu:

1. Press gear icon  to enter the Main Menu. Then choose Settings > Pin Code:

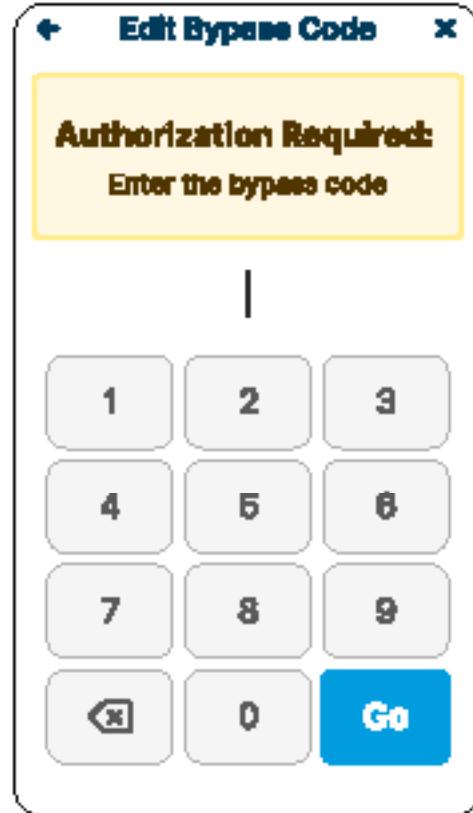


2. Select Pin Code to update. If a Pin has already been created, it will need to be entered to make a change.
- **Access Code** - prevents unauthorized use of the controller. Controller will display a "Locked" status and prompt users to enter pin code.
- **Bypass Code** - prevents unauthorized changes to the operating mode (Normal/Bypass). Bypass mode is used to bypass the vehicle restraint when it cannot engage a transport vehicle.
- **Maintenance Code** - prevents unauthorized changes to controller settings, by restricting access to the Settings menu.



3. Press the Pin Code to update and follow the prompts to set the new code:

(Pin Code can be up to 8 numbers.)



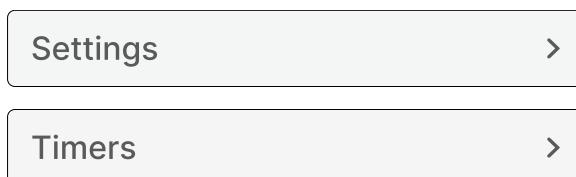
4. Press Go after inputting the new code.
5. Follow the same process to update the Access and Maintenance codes if necessary.

Equipment Timers

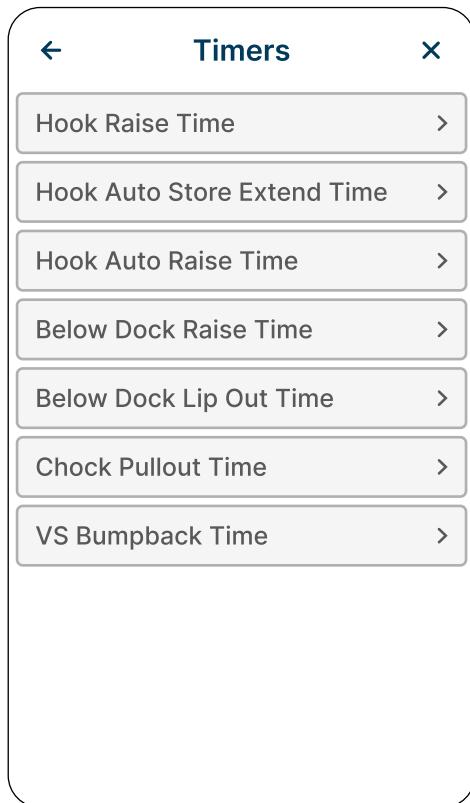
Note: Some equipment timers are adjustable, to fine tune operation in applications where necessary. Equipment operating durations are factory set and should not be adjusted without consulting Technical Services. (800) 643-5424

Access the Settings menu:

1. Press gear icon  to enter the Main Menu. Then choose Settings > Timers



2. Enter Maintenance Code for access to this menu.
3. Adjustments are available for these Equipment Timer options:



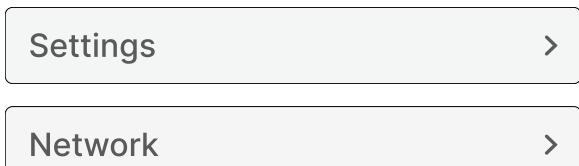
4. Confirm selection by pressing Save Setting.

SYSTEM SETTINGS

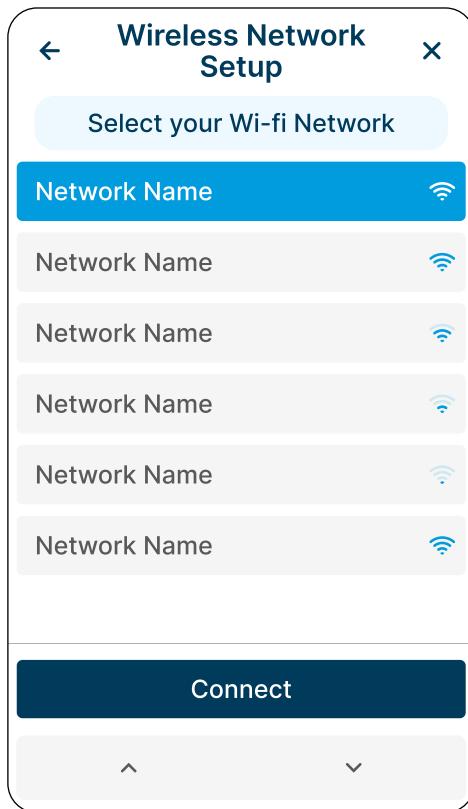
Network

Access the Settings menu:

1. Press gear icon  to enter the Main Menu. Then choose Settings > Network.

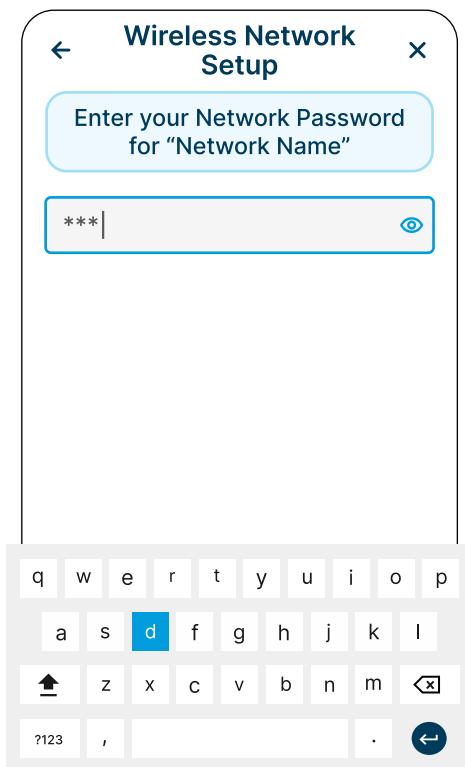


2. Choose from the available Networks:

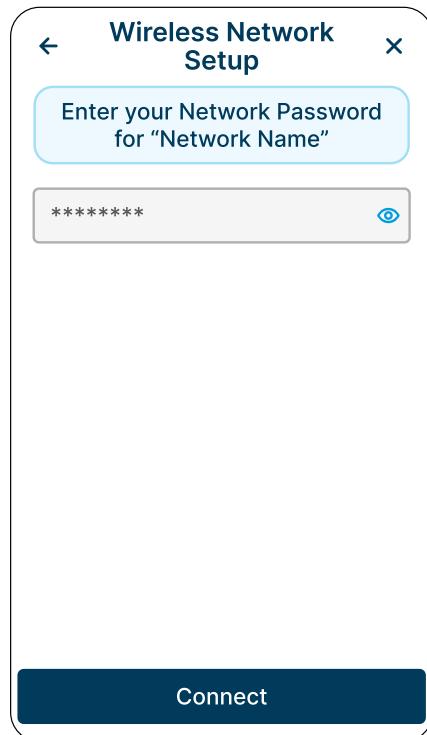


3. Confirm selection by pressing Connect.

4. Enter the Network password to connect. Press the password field to begin typing.

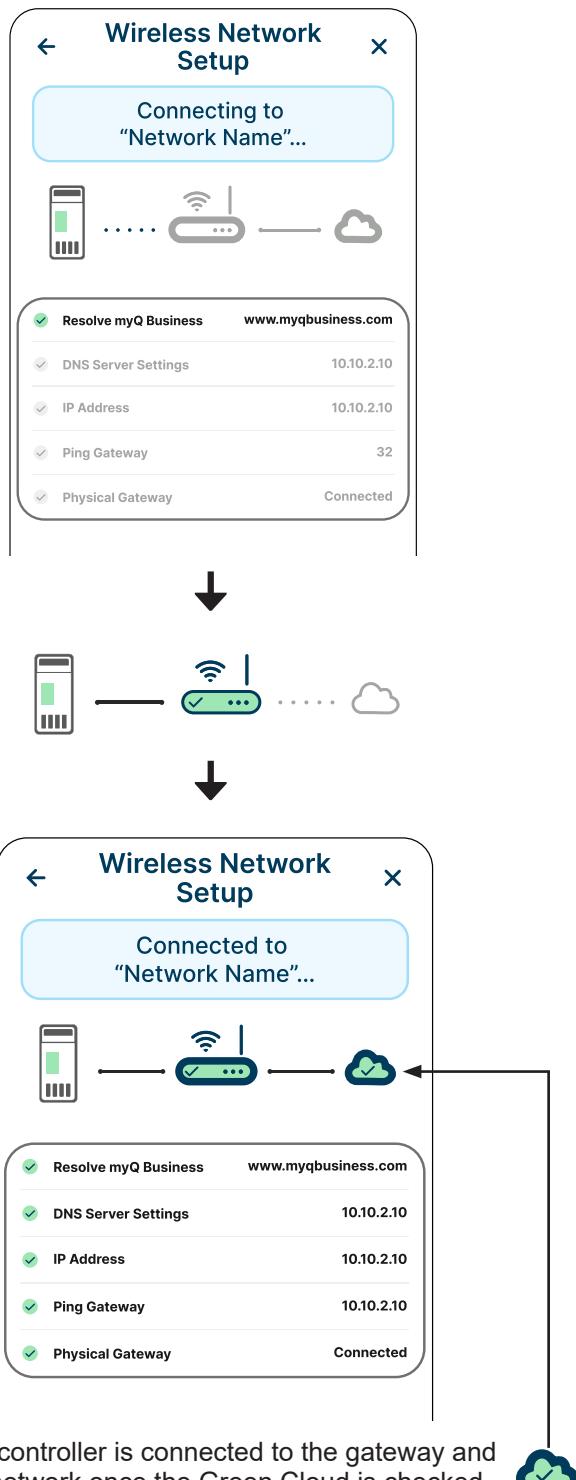


5. Press Connect to join the Network:



Network (Continued)

6. The display will indicate connection progress:



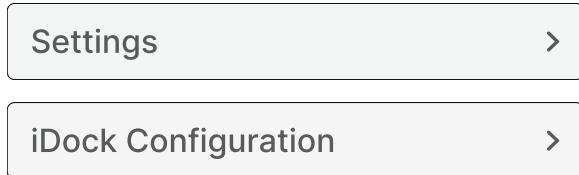
7. The controller is connected to the gateway and the network once the Green Cloud is checked.

SYSTEM SETTINGS

iDock Configuration

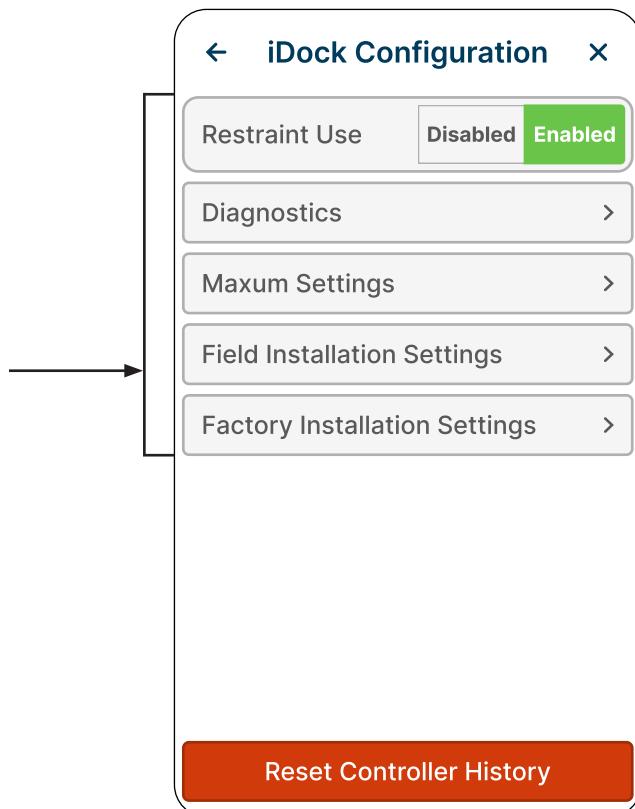
Access the Settings menu:

1. Press gear icon  to enter the Main Menu. Then choose Settings > iDock Configuration



2. Choose from the available options:

- **Restraint Use:** allows maintenance staff and/or service providers to enable or disable the vehicle restraint functions and allow independent usage of the dock leveler.
- **Diagnostics:** allows maintenance staff and/or service providers to view system-wide diagnostic information.
- **Maxum Settings:** allows user to adjust the settings of the integrated LiftMaster, Maxum door operator, if equipped.
- **Field Installation Settings:** used to record equipment and facility information in the controller, and choose optional settings for custom applications.
- **Factory Installation Settings:** used for setting equipment parameters in production. Superuser access is required for this menu post-production.
- **Reset Controller History:** clears Maintenance and Fault Logs. Typically used when replacing dock levelers or vehicle restraints, to collect new equipment data.

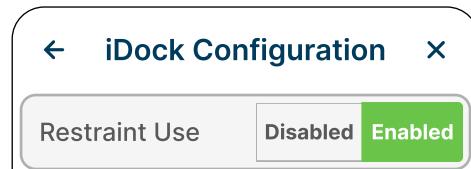


Restraint Use:

Restraint Use should only be disabled in circumstances where the vehicle restraint cannot ever be used, such as the presence of a dumpster or other permanent object at the dock.

Note: If Restraint Use is disabled, the inside light will continuously flash Amber and the outside light will cease functioning.

1. Disable the restraint by selecting Disabled:

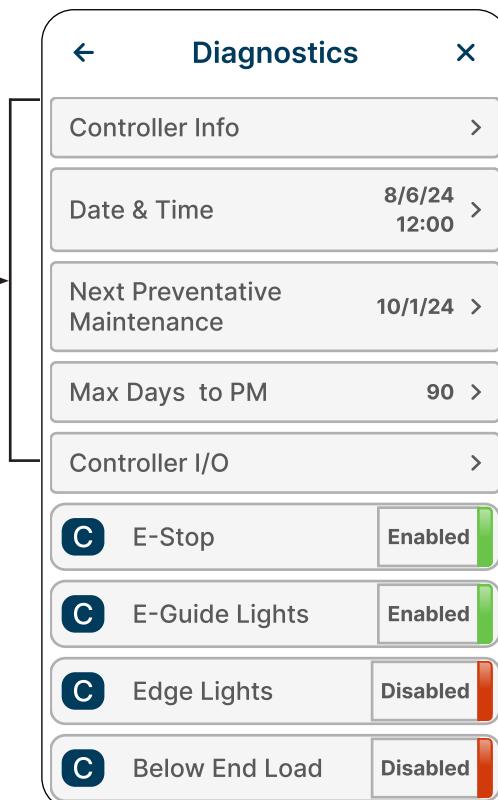
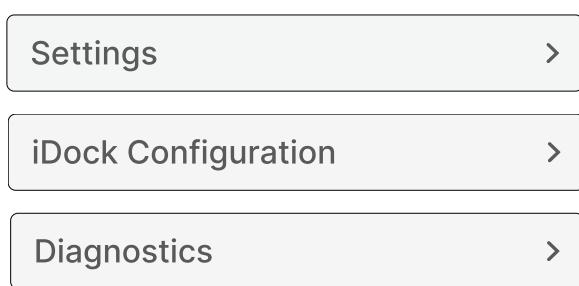


2. Enable the restraint again, by choosing "Enabled."

Diagnostics:

Access the Settings menu:

1. Press gear icon  to enter the Main Menu. Then choose Settings > iDock Configuration > Diagnostics.



2. Choose from the available options:

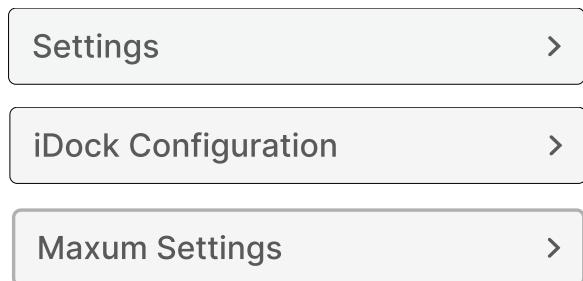
- **Controller Info:** displays equipment information for the controller, leveler, restraint and overhead door.
- **Date & Time:** allows a user to adjust the date and time.
- **Next Preventative Maintenance:** use this menu to set the preventative maintenance schedule and to reset the PM cycle after maintenance has been completed.
- **Max Days to PM:** allows a user to set the amount of time between maintenance reminders. Example: if set to 60 days, the controller will indicate maintenance is due in 60 days.
- **Controller I/O:** displays the configuration of optional equipment and controller features. Helps to identify which functions are enabled/disabled.

SYSTEM SETTINGS

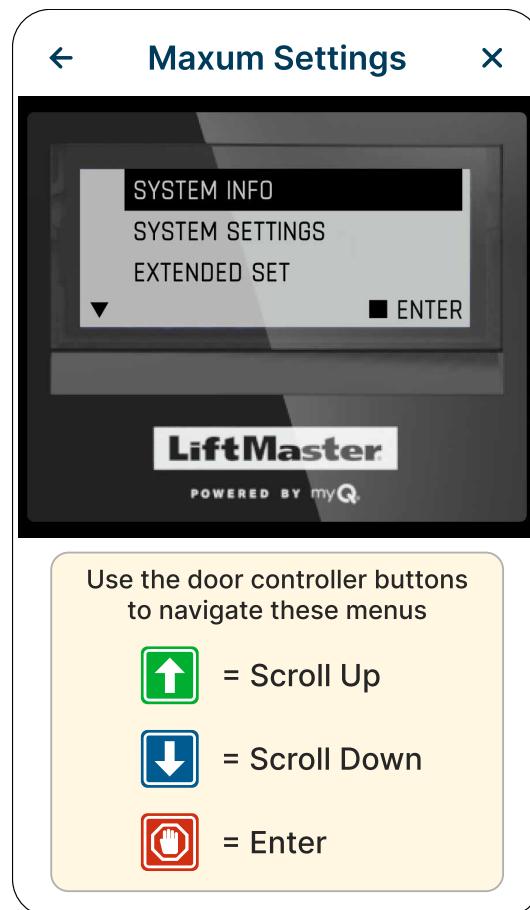
Maxum Settings:

Access the Settings menu:

1. Press gear icon  to enter the Main Menu. Then choose Settings > iDock Configuration > Maxum Settings.



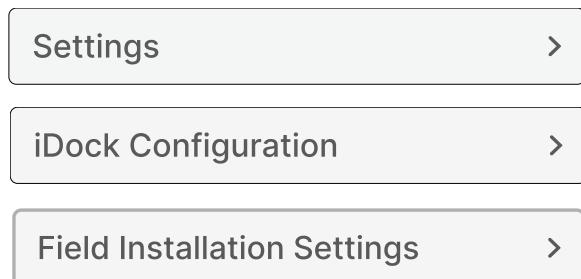
2. The Maxum Settings Menu allows a user to bypass the wall control included with a Maxum Operator. Using the door buttons on the iDock controller, a user can navigate the Maxum's menus for installation and operation. (Reference the LiftMaster Maxum Manual for more information on setting up your operator.)



Field Installation Settings:

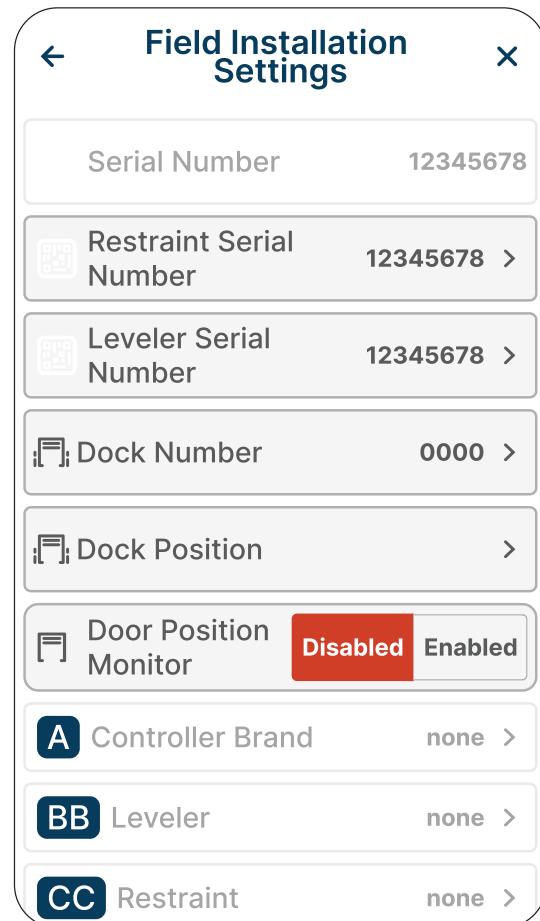
Access the Settings menu:

1. Press gear icon  to enter the Main Menu. Then choose Settings > iDock Configuration > Field Installation Settings.



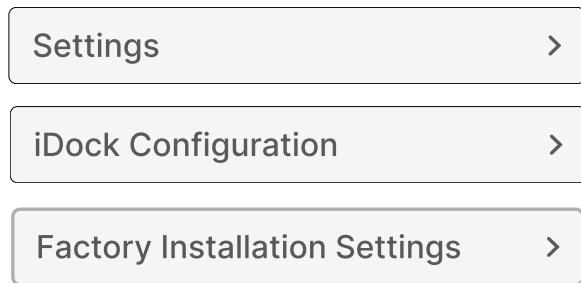
2. The Field Installation Settings menu is used to record equipment and facility information in the controller, and choose optional settings for custom applications.
3. These menu options should be populated on equipment start-up. But they can be modified later by visiting this menu.

Note: Not all options can be changed in the Field Installation menu. But they are displayed for troubleshooting purposes. If a Configuration change is needed, please contact Technical Support.



Factory Installation Settings:

1. Press gear icon  to enter the Main Menu. Then choose Settings > iDock Configuration > Factory Installation Settings.



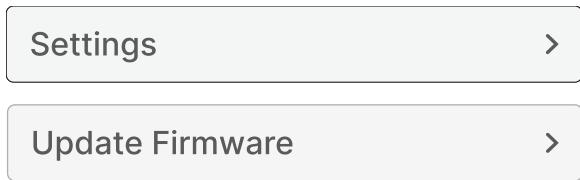
2. This menu is used for setting equipment parameters in production. Superuser access is required for this menu post-production. Contact Technical Support if access is required.

SYSTEM SETTINGS

Update Firmware:

Access the Settings menu:

1. Press gear icon  to enter the Main Menu. Then choose Settings > Update Firmware.



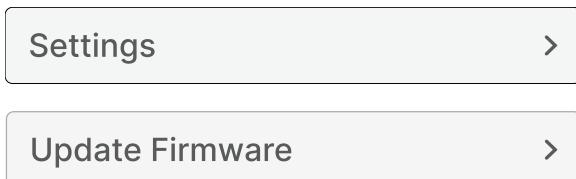
2. Insert a USB stick with update software into the USB port on the controller board. Software must come from Systems, LLC. Contact Technical Service for Assistance.
3. With the USB drive installed, select "Update Firmware".
4. The display will indicate that the firmware is being updated and show its progress:



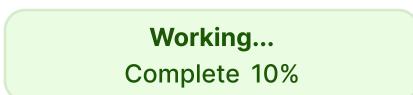
Update Configuration:

Access the Settings menu:

1. Press gear icon  to enter the Main Menu. Then choose Settings > Update Firmware > Load Configuration.



2. Insert a USB stick with configuration software into the USB port on the controller board. Software must come from Systems, LLC. Contact Technical Service for Assistance.
3. With the USB drive installed, select "Load Configuration". The display will indicate that the firmware is being updated and show its progress:



4. Once complete, the controller will reboot and is ready for use again.
5. Remove the USB stick and close the door.

5. Once complete, the controller will reboot and is ready for use again.
6. Remove the USB stick and close the door.

SYSTEM SETTINGS

OPERATING INSTRUCTIONS

Dock Alert - Light Communication System

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status (Change Lights)

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Accessory buttons (optional)

G - Inside Communication Light

H - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Dock Alert - Light Communication System (Continued)

Dock Alert/LCS - Manual Operated Lights

1. Verify message on the Touch Screen (**A**) indicates "ready for use."
2. Press DOCK ALERT STATUS button (**B**) to change communication lights and notify driver of loading/unloading.
3. Open the overhead door, and check to make sure transport vehicle is positioned squarely against both dock bumpers.
4. Chock the transport vehicle wheels, or use the vehicle restraint (if available).
5. Use the dock leveler (if available) to complete loading and/or unloading the transport vehicle.
6. When loading and/or unloading is finished, remove chocks from transport vehicle wheels or release the vehicle restraint (if available).
7. Press DOCK ALERT STATUS button to change communication lights and notify driver it is safe to depart.

Dock Alert/LCS - Door Operated Lights

1. Open overhead door to change lights and notify driver of loading/unloading.
2. Check to make sure transport vehicle is positioned squarely against both dock bumpers.
3. Chock the transport vehicle wheels, or use the vehicle restraint (if available).
4. Use the dock leveler (if available) to complete loading and/or unloading the transport vehicle.
5. When loading and/or unloading is finished, remove chocks from transport vehicle wheels or release the vehicle restraint (if available).
6. Close overhead door to change communication lights and notify driver it is safe to depart.

Dock Alert /LCS- Leveler Operated Lights

1. Open the overhead door, and check to make sure transport vehicle is positioned squarely against both dock bumpers.
2. Chock the transport vehicle wheels, or use the vehicle restraint (if available).
3. Use the dock leveler to complete loading and/or unloading the transport vehicle. Communication lights will change and notify driver of loading/unloading.
4. When loading and/or unloading is finished, remove chocks from transport vehicle wheels or release the vehicle restraint (if available).
5. Store the dock leveler to change communication lights and notify driver it is safe to depart.

Dock Alert/LCS - Bypass Mode

Note: Dock Alert models with Door or Leveler Operated Lights have the ability to manually override the lights in Bypass Mode.

Bypass Mode may require a User Code for access. (See page 18 for User Code information.)

1. Press the DOCK ALERT STATUS button (**B**).
2. Press the "Bypass Mode" button on the display to enter Bypass Mode. This will change communication lights to notify driver of loading/unloading.
3. Press DOCK ALERT STATUS button (**B**) to change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Dock Alert/LCS w/Pit or HED Leveler

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

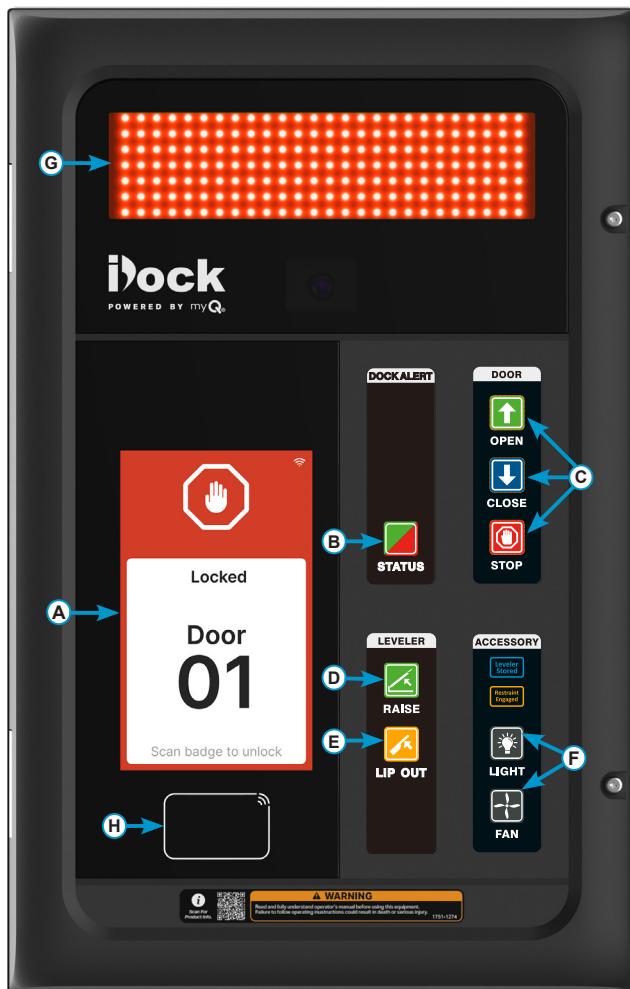
Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status (Change Lights)

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Accessory buttons (optional)

G - Inside Communication Light

H - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Dock Alert/LCS w/Pit or HED Leveler (continued)

Pit or HED Leveler - Manual Operated Lights

1. Verify message on the Touch Screen (A) indicates "ready for use."
2. Press DOCK ALERT STATUS button (B) to change communication lights and notify driver of loading/unloading.
3. Open the overhead door, and check to make sure transport vehicle is positioned squarely against both dock bumpers.
4. Chock the transport vehicle wheels, or use the vehicle restraint (if available).
5. Press and hold the RAISE button (D) until lip extends, then release button and allow leveler to descend into transport vehicle.
6. Complete loading and/or unloading of transport vehicle.
7. When loading and/or unloading is finished, store dock leveler by pressing the RAISE button until leveler clears transport vehicle, then release the button.
8. Remove chocks from transport vehicle wheels or release the vehicle restraint (if available).
9. Press DOCK ALERT STATUS button to change lights to notify driver it is safe to depart.

Pit or HED Leveler - Door Operated Lights

1. Verify message on the Touch Screen (A) indicates "ready for use."
2. Open overhead door to change lights to change communication lights and notify driver of loading/unloading.
3. Verify transport vehicle is positioned squarely against both dock bumpers.
4. Chock the transport vehicle wheels, or use the vehicle restraint (if available).
5. Press and hold the RAISE button until lip extends, then release button and allow leveler to descend into transport vehicle.
6. Complete loading and/or unloading of transport vehicle.

7. When loading and/or unloading is finished, store dock leveler by pressing the RAISE button until leveler clears transport vehicle, and remove chocks from transport vehicle wheels or release the vehicle restraint (if available).
8. Close overhead door to change lights and notify driver it is safe to depart.

Pit or HED Leveler - Leveler Operated Lights

1. Verify message on the Touch Screen (A) indicates "ready for use."
2. Open the overhead door, and check to make sure transport vehicle is positioned squarely against both dock bumpers.
3. Chock the transport vehicle wheels, or use the vehicle restraint (if available).
4. Press and hold the RAISE button until lip extends, then release button and allow leveler to descend into transport vehicle. This will change communication lights to notify driver of loading/unloading.
5. Complete loading and/or unloading of transport vehicle.
6. When loading and/or unloading is finished, remove chocks from transport vehicle wheels or release the vehicle restraint (if available).
7. Store the dock leveler to change lights and notify driver it is safe to depart.

Dock Alert/LCS - Bypass Mode

Note: Dock Alert models with Door or Leveler Operated Lights have the ability to manually override the lights in Bypass Mode.

Bypass Mode may require a User Code for access. (See page 18 for User Code information.)

1. Press the DOCK ALERT STATUS button (B).
2. Press the "Bypass Mode" button on the display to enter Bypass Mode. This will change communication lights to notify driver of loading/unloading.
3. Press DOCK ALERT STATUS button (B) to change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Dock Alert/LCS w/Pit Leveler and Lip Out

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status (Change Lights)

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Accessory buttons (optional)

G - Inside Communication Light

H - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Dock Alert/LCS w/Pit Leveler and Lip Out (Continued)

Pit Leveler- Quick Cycle Lip Extend (Lip Out)

1. Follow operating instructions on pages 26-27 until leveler use is required.
2. Press and hold the RAISE button (D). After the leveler lip is above the transport vehicle, press and hold the LIP OUT button (E) in addition to the RAISE button.
3. When lip has fully extended, release the RAISE and LIP OUT buttons. Leveler will descend into transport vehicle with lip fully extended.
4. Continue with operating instructions on pages 26-27 as needed.

Pit Leveler- Quick Cycle Below Dock End Load

1. Follow operating instructions on pages 26-27 until below-dock leveler use is required.
2. Press and hold the LIP OUT button (E).
 - Inside Communication Light will flash Red/Amber.
 - The leveler will briefly raise, slightly extend the lip to clear the lip keepers, and then descend below dock.
3. Below dock end loading/unloading can now be completed. Continue with operating instructions on pages 26-27 as needed.

OPERATING INSTRUCTIONS

Dock Alert/LCS w/Vertical Leveler

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

! WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

! WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status (Change Lights)

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Accessory buttons (optional)

G - Inside Communication Light

H - RFID Card Reader (opt)

J - Leveler Lower button

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Dock Alert/LCS w/Vertical Leveler (continued)

Vertical Leveler - Manual Operated Lights

1. Verify message on the Touch Screen (A) indicates "ready for use."
2. Press DOCK ALERT STATUS button (B) to change lights and notify driver of loading/unloading.
3. Open the overhead door, and check to make sure transport vehicle is positioned squarely against both dock bumpers.
4. Chock the transport vehicle wheels, or use the vehicle restraint (if available).
5. Press and hold the LOWER button (J) until leveler reaches transport vehicle.

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 33.

6. Complete loading and/or unloading of transport vehicle.
7. When loading and/or unloading is finished, press and hold the RAISE button (D) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored."
8. Close overhead door after the Leveler is Stored.
9. Remove chocks from transport vehicle wheels or release the vehicle restraint (if available).
10. Press DOCK ALERT STATUS button (B) to change lights to notify driver it is safe to depart.

Vertical Leveler - Door Operated Lights

1. Verify message on the Touch Screen (A) indicates "ready for use."
2. Open overhead door to change lights and notify driver of loading/unloading.
3. Check to make sure transport vehicle is positioned squarely against both dock bumpers.
4. Chock the transport vehicle wheels, or use the vehicle restraint (if available).
5. Press and hold the LOWER button (J) until leveler reaches transport vehicle.

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 33.

6. Complete loading and/or unloading of transport vehicle.
7. When loading and/or unloading is finished, press and hold the RAISE button (D) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored."
8. Close overhead door to change lights and notify driver it is safe to depart.

Instructions continued on page 32

OPERATING INSTRUCTIONS

Dock Alert/LCS w/Vertical Leveler (continued)

User Interface Overview



A - Touch Screen
B - Status (Change Lights)
C - Door buttons (optional)
D - Leveler Raise button

E - Leveler Lip button
F - Accessory buttons (optional)
G - Inside Communication Light
H - RFID Card Reader (optional)
J - Leveler Lower button

Vertical Leveler - Leveler Operated Lights

1. Verify message on the Touch Screen (A) indicates "ready for use."
2. Open the overhead door, and check to make sure transport vehicle is positioned squarely against both dock bumpers.
3. Chock the transport vehicle wheels, or use the vehicle restraint (if available).
4. Press and hold the LOWER button (J) until leveler reaches transport vehicle. This will change communication lights to notify driver of loading/unloading.

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 33.

5. Complete loading and/or unloading of transport vehicle.
6. When loading and/or unloading is finished, remove chocks from transport vehicle wheels or release the vehicle restraint (if available).
7. Press and hold the RAISE button (D) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored." Storing the leveler will change communication lights to notify driver it is safe to depart.

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Dock Alert/LCS w/Vertical Leveler (continued)

Vertical Leveler - Bypass Mode

Note: Vertical Levelers with Door or Leveler Operated Lights have the ability to manually override the lights in Bypass Mode. Bypass Mode may require a User Code for access. (See page 18 for User Code information.)

1. Press the DOCK ALERT STATUS button (**B**).
2. Press the "Bypass Mode" button on the display to enter Bypass Mode. This will change communication lights to notify driver of loading/unloading.
3. Operate the leveler following the instructions on pages 30-32.
4. When finished loading/unloading, press DOCK ALERT STATUS button (**B**) to change lights to notify driver it is safe to depart.

Vertical Leveler- Lip Operation

Note: Vertical Levelers are equipped with LIP button (**J**). This allows the leveler lip to be independently raised and lowered as needed when the leveler is between stored and float zones.

1. Follow operating instructions on pages 30-32 until lip positioning is required.
2. Press and hold the LOWER button to move the leveler out of the stored position. Then, press and hold the LIP button in addition to the RAISE or LOWER button as needed. While lip is moving, Touch Screen will show:
3. When lip has reached desired position, release the LIP and LOWER or RAISE buttons.
4. Continue with operating instructions on pages 30-32 as needed.

OPERATING INSTRUCTIONS

Automatic Vehicle Restraint

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

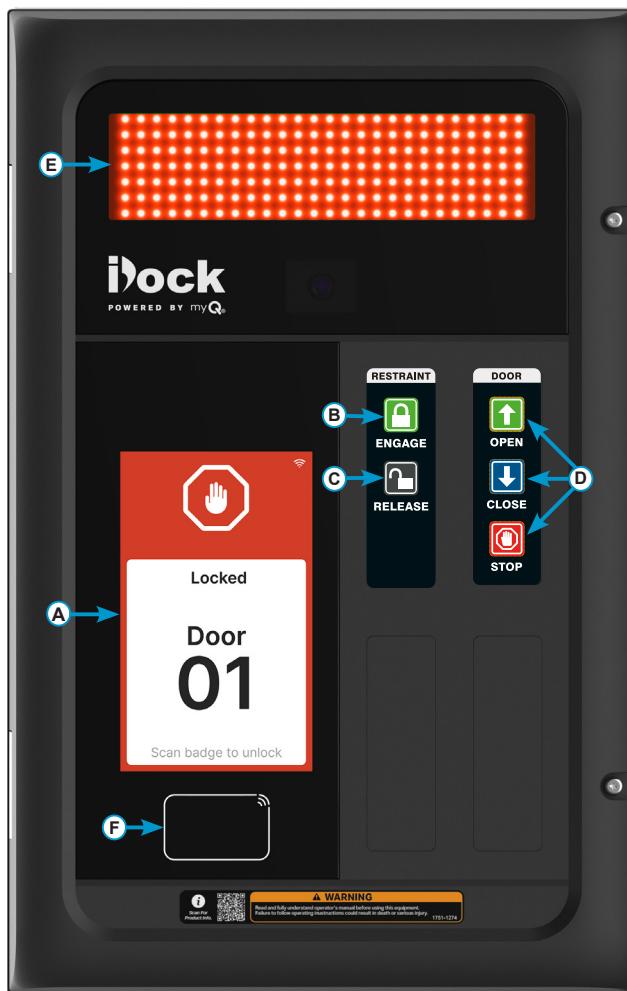
Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Engage Restraint

C - Release Restraint

D - Door buttons (optional)

E - Inside Communication Light

F - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Automatic Vehicle Restraint - Engage & Release

1. Open overhead door and check to make sure transport vehicle is positioned squarely against both dock bumpers.
2. Press ENGAGE button (B) to initiate restraint engage cycle. Outside lights will change to notify driver of loading/unloading.
3. When vehicle restraint has successfully engaged, inside lights will change and notify driver of loading/unloading.
4. Visually confirm that restraint has successfully captured RIG bar. If capture is not possible, see instructions for "Missed RIG & Bypass Mode."
5. Use the dock leveler (if available) to complete loading and/or unloading the transport vehicle.
6. When loading and/or unloading is finished, store dock leveler (if available).
7. Press RELEASE button (C) to change inside lights and initiate restraint release cycle. Confirm Touch Screen (A) indicates "restraint stored."
8. When vehicle restraint has successfully released, outside lights will change to notify driver it is safe to depart.

Auto Re-Engage (TPR, TPR UniLock & Stop AAL Restraints Only)

After restraint has been engaged with successful capture of RIG bar, these restraints will automatically attempt to re-engage if they leave the working zone:

TPR/UniLock and Stop-AAL

- When restraint hook is lowered below the working zone, the controls will automatically attempt to re-engage the hook one (1) time.
 - If hook successfully captures the RIG bar again, the communication lights will show
 - Inside light - GREEN
 - Outside light - RED
 - If hook is unable to re-engage after one (1) attempt, the hook will remain in its current position. The iDock Control System will alert the operator with communication lights below:
 - Inside light - RED
 - Outside light - RED

Automatic Vehicle Restraint (continued)

Automatic Vehicle Restraint - Bypass Mode (Auto-Store)

Note: If vehicle restraint cannot successfully engage the transport vehicle due to a damaged/missing RIG bar, lift gate obstruction, or any other reason, the restraint will automatically return to the stored position. Users have the ability to manually override the lights in Bypass Mode.

Bypass Mode may require a User Code for access.

1. Complete steps 1-5 in "Vehicle Restraint - Engage & Release" on page 35.
2. When vehicle restraint cannot engage RIG bar, restraint will automatically return to stored position. Touch Screen (A) will indicate "restraint engagement unsuccessful."
3. After restraint has stored, the user has the option to override communication lights and proceed without the vehicle restraint in **Bypass Mode**.
 - Pressing the blue "Bypass Mode" button on the Touch Screen will enable Bypass Mode.
 - Or, the communication lights can be reset by pressing the Release button (C).
4. If Bypass Mode is chosen, secure transport vehicle wheels by other means as directed by Touch Screen. Use wheel chocks or a similar method.
5. Use the dock leveler (if available) to complete loading and/or unloading the transport vehicle.
6. When loading and/or unloading is finished, release transport vehicle wheels.
7. Press RELEASE button (C) to exit Bypass Mode and change lights to notify driver it is safe to depart.

Instructions continued on page 36

OPERATING INSTRUCTIONS

Automatic Vehicle Restraint (Continued)

Automatic Vehicle Restraint - Bypass Mode (Main Menu)

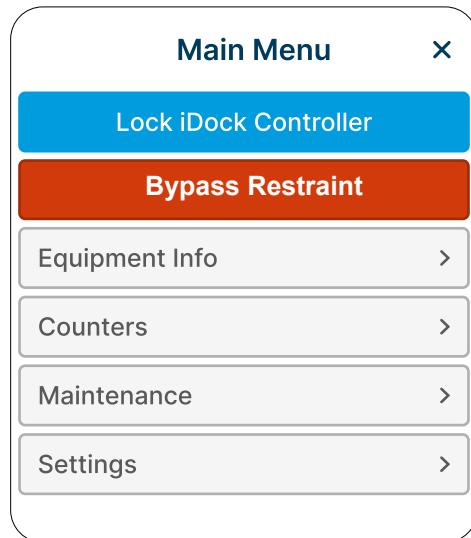
Users can directly enter Bypass Mode via the Main Menu, without attempting to engage the restraint.

1. If Bypass Mode is chosen, secure transport vehicle wheels by other means. Use wheel chocks or a similar method.

Bypass Mode may require a User Code for access. See facility supervisor if necessary.

2. Press gear icon  to enter the Main Menu. Then choose Bypass Restraint:

Note: Once Main Menu is active, both the inside and outside lights will change to solid red with no flashing.



Communication Lights in Bypass Mode:

- Inside light - Alternating GREEN & AMBER
- Outside light - RED

3. Touch Screen will indicate "Restraint Bypassed."
4. Use the dock leveler (if available) to complete loading and/or unloading the transport vehicle.
5. When loading and/or unloading is finished, release transport vehicle wheels.
6. Press RELEASE button (C) to exit Bypass Mode and change lights to notify driver it is safe to depart.

Automatic Vehicle Restraint - Bypass Mode (with optional Door Close to Reset Lights)

Note: iDock Control Systems can also be configured to reset the lights from Bypass Mode by closing the overhead door.

**** Door interlocking sensors required ****

1. Follow steps on pages 35-36 to enter Bypass Mode after auto-store or through the Main Menu.
2. Verify the Touch Screen indicates "Restraint Bypassed."
3. Use the dock leveler (if available) to complete loading and/or unloading the transport vehicle.
4. When loading and/or unloading is finished, release transport vehicle wheels.
5. Either close the overhead door, or press RELEASE button to exit Bypass Mode and change lights to notify driver it is safe to depart.

Emergency Stop (All Restraints)

If equipped with optional Emergency Stop and E-Stop is activated: once deactivated, the inside lights will flash Red/Amber.

- If restraint is in the stored position, press the RELEASE button.
- If restraint is in the engaged button, press the ENGAGE button.

Power Interruption (PowerHook and TPR restraints only)

If power to the control box is interrupted, the inside light will flash Red/Amber and the outside light will flash Red. The restraint must then be cycled to teach its position. Touch Screen will indicate: "restraint position unknown."

- If restraint is in the **stored position**, press the RELEASE button (C).
- If restraint is in the **engaged position**, press the ENGAGE button (B).
- If the restraint is in the stored position and the iDock was in **Bypass Mode** before the power interruption, the operator must confirm the transport vehicle is secured by another means. Then select Bypass Mode again using the Operating Mode menu.

OPERATING INSTRUCTIONS

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OPERATING INSTRUCTIONS

Pit or HED Leveler w/Automatic Vehicle Restraint

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

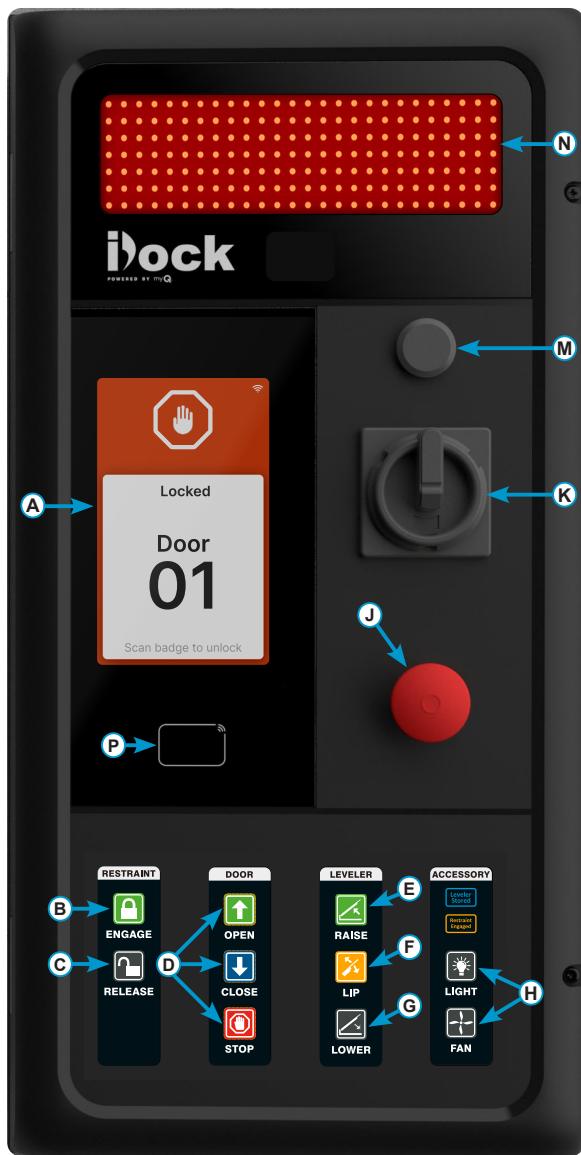
Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Restraint Engage button

C - Restraint Release button

D - Door buttons (optional)

E - Leveler Raise button

F - Leveler Lip button

G - Leveler Lower button (VS Models)

H - Accessory buttons (optional)

J - Emergency Stop (optional)

K - Disconnect Switch (optional)

M - Audible Alarm

N - Inside Communication Light

P - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Pit or HED Leveler w/Automatic Vehicle Restraint (Continued)

Operation - Normal Mode

1. Open overhead door and check to make sure transport vehicle is positioned squarely against both dock bumpers.
2. Press ENGAGE button (**B**) to initiate restraint engage cycle.
3. When vehicle restraint has successfully engaged, communication lights will change and notify driver of loading/unloading.
4. Visually confirm that restraint has successfully captured RIG bar. If capture is not possible, see instructions for "Bypass Mode," on page 40.
5. Press and hold the RAISE button (**E**) until leveler lip extends, then release button and allow leveler to descend into transport vehicle.
6. When loading and/or unloading is finished, store dock leveler by pressing the RAISE button (**E**), until leveler clears transport vehicle and the lip Hold Raise until plate folds, then release the button. The leveler will lower to its stored position.
7. Press RELEASE button (**C**) to change communication lights and initiate restraint release cycle.
8. When vehicle restraint has successfully released, outside lights will change to notify driver it is safe to depart.

Auto Re-Engage (TPR, TPR UniLock & Stop AAL Restraints Only)

After restraint has been engaged with successful capture of RIG bar, these restraints will automatically attempt to re-engage if they leave the working zone:

TPR/UniLock and Stop-AAL

- When restraint hook is lowered below the working zone, the controls will automatically attempt to re-engage the hook one (1) time.
 - If hook successfully captures the RIG bar again, the communication lights will show
 - Inside light - GREEN
 - Outside light - RED
 - If hook is unable to re-engage after one (1) attempt, the hook will remain in its current position. The iDock Control System will alert the operator with communication lights and message shown below:
 - Inside light - RED
 - Outside light - RED

Automatic Vehicle Restraint - Bypass Mode (Auto-Store)

Note: If vehicle restraint cannot successfully engage the transport vehicle due to a damaged/missing RIG bar, lift gate obstruction, or any other reason, the restraint will automatically return to the stored position. Users have the ability to manually override the lights in Bypass Mode.

Bypass Mode may require a User Code for access.

1. Complete steps 1-5 in "Vehicle Restraint - Engage & Release" on page 35.
2. When vehicle restraint cannot engage RIG bar, restraint will automatically return to stored position. Touch Screen (**A**) will indicate "restraint engagement unsuccessful."
3. After restraint has stored, the user has the option to override communication lights and proceed without the vehicle restraint in Bypass Mode.
 - Press the blue "Bypass Mode" button on the Touch Screen to enable Bypass Mode.
 - Or, the communication lights can be reset by pressing the Release button (**C**).
4. If Bypass Mode is chosen, secure transport vehicle wheels by other means as directed by Touch Screen. Use wheel chocks or a similar method.
5. Press and hold the RAISE button (**E**) until lip extends, then release button and allow leveler to descend into transport vehicle.
6. When loading and/or unloading is finished, store dock leveler by pressing the RAISE button (**E**), until leveler clears transport vehicle and the lip Hold Raise until plate folds, then release the button. The leveler will lower to its stored position.
7. Press RELEASE button (**C**) to exit Bypass Mode and change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Pit or HED Leveler w/Automatic Vehicle Restraint (Continued)

Pit or HED Leveler w/Vehicle Restraint - Bypass Mode (Main Menu)

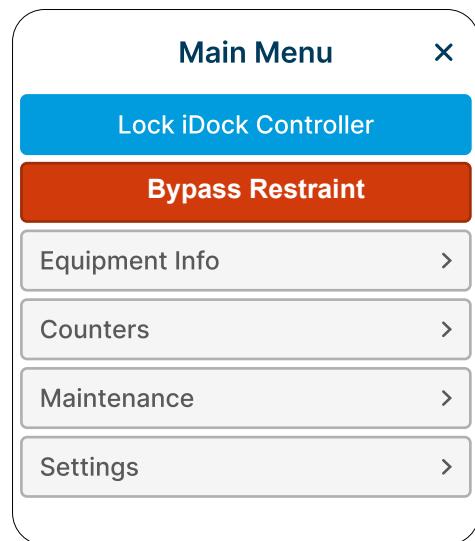
Users can directly enter Bypass Mode via the Main Menu, without attempting to engage the restraint.

1. If Bypass Mode is chosen, secure transport vehicle wheels by other means. Use wheel chocks or a similar method.

Bypass Mode may require a User Code for access. See facility supervisor if necessary.

2. Press gear icon  to enter the Main Menu. Then choose Bypass Restraint:

Note: Once Main Menu is active, both the inside and outside lights will change to solid red with no flashing.



Pit or HED Leveler w/Vehicle Restraint - Bypass Mode (with optional Door Close to Reset Lights)

Note: iDock Control Systems can also be configured to reset the lights from Bypass Mode by closing the overhead door.

**** Door interlocking sensors required ****

1. Follow steps on pages 39-40 to enter Bypass Mode after auto-store or through the Main Menu.
2. Verify the Touch Screen indicates "Restraint Bypassed."
3. Press and hold the RAISE button (E) until leveler lip extends, then release button and allow leveler to descend into transport vehicle.
4. When loading and/or unloading is finished, store dock leveler by pressing the RAISE button (E). until leveler clears transport vehicle and the lip Hold Raise until plate folds, then release the button. The leveler will lower to its stored position.
5. Release transport vehicle wheels.
6. Either close the overhead door, or press RELEASE button to exit Bypass Mode and change lights to notify driver it is safe to depart.

Communication Lights in Bypass Mode:

- Inside light - Alternating GREEN & AMBER
- Outside light - RED

3. Touch Screen will indicate "Restraint Bypassed."
4. Press and hold the RAISE button (E) until leveler lip extends, then release button and allow leveler to descend into transport vehicle.
5. When loading and/or unloading is finished, store dock leveler by pressing the RAISE button (E). until leveler clears transport vehicle and the lip Hold Raise until plate folds, then release the button. The leveler will lower to its stored position.
6. Press RELEASE button (C) to exit Bypass Mode and change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Pit or HED Leveler w/Automatic Vehicle Restraint (Continued)

Emergency Stop (All Restraints)

If equipped with optional Emergency Stop and E-Stop is activated, once deactivated, the inside lights will flash Red/Amber.

- If restraint is in the stored position, press the RELEASE button.
- If restraint is in the engaged position, press the ENGAGE button.

Power Interruption (PowerHook and TPR restraints only)

If power to the control box is interrupted, the inside light will flash Red/Amber and the outside light will flash Red. The restraint must then be cycled to teach its position. Touch Screen will indicate: "restraint position unknown."

- If restraint is in the **stored position**, press the RELEASE button (**C**).
- If restraint is in the **engaged position**, press the ENGAGE button (**B**).
- If the restraint is in the stored position and the iDock was in **Bypass Mode** before the power interruption, the operator must confirm the transport vehicle is secured by another means. Then select Bypass Mode again using the Operating Mode menu.

OPERATING INSTRUCTIONS

Pit Leveler w/ Lip Out and Automatic Vehicle Restraint

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

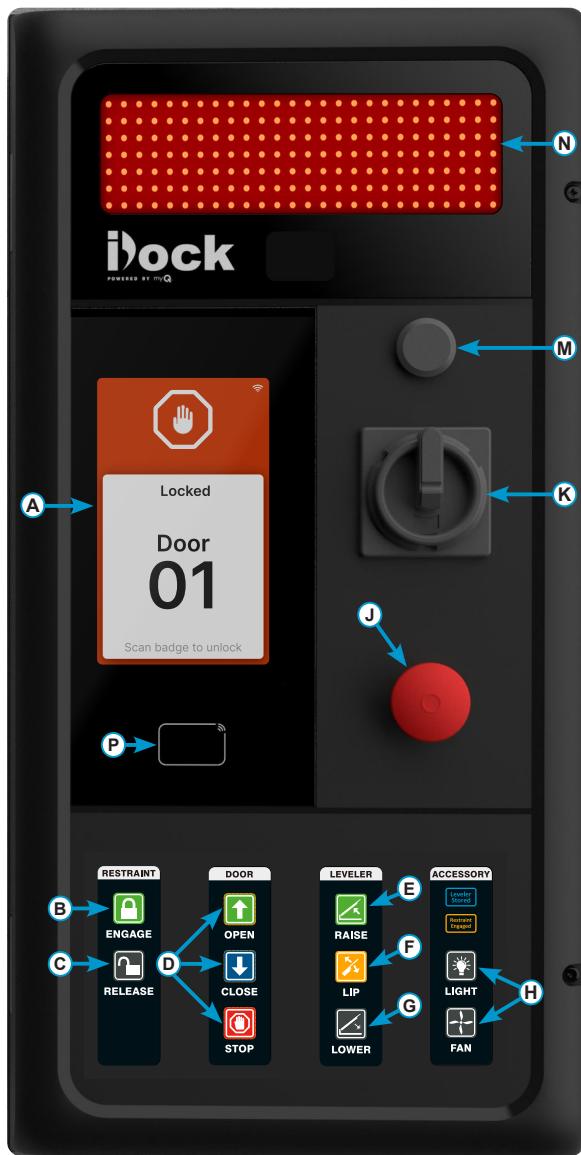
Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen
B - Restraint Engage button
C - Restraint Release button
D - Door buttons (optional)
E - Leveler Raise button
F - Leveler Lip button

G - Leveler Lower button (VS Models)
H - Accessory buttons (optional)
J - Emergency Stop (optional)
K - Disconnect Switch (optional)
M - Audible Alarm
N - Inside Communication Light
P - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Pit Leveler w/ Lip Out and Automatic Vehicle Restraint

Note: Pit Levelers with Quick Cycle Lip Extend (Lip Out) and Vehicle Restraints function identically to regular Pit Levelers with Vehicle Restraints, except that the leveler lip can be independently extended before the platform is fully raised. See pages 38-41 for general Pit Leveler & Vehicle Restrictor operating instructions.

When equipped with a Leveler Stored (LS) proximity switch, Pit Leveler iDock Control Systems with Lip Out can also perform a Quick-Cycle Below Dock End Load function.

Pit Leveler- Quick Cycle Lip Extend (Lip Out)

1. Follow operating instructions on pages 38-41 until leveler use is required.
2. Press and hold the RAISE button (E). After the leveler lip is above the transport vehicle, press and hold the LIP OUT button (F) in addition to the RAISE button.
3. When lip has fully extended, release the RAISE and LIP OUT buttons. Leveler will descend into transport vehicle with lip fully extended.
4. Continue with operating instructions on pages 38-41 as needed.

Pit Leveler- Quick Cycle Below Dock End Load

1. Follow operating instructions on pages 38-41 until below-dock leveler use is required.
2. Press and hold the LIP OUT button (F).
 - Inside Communication Light will flash Red/Amber.
 - The leveler will briefly raise, slightly extend the lip to clear the lip keepers, and then descend below dock.
3. Below dock end loading/unloading can now be completed. Continue with operating instructions on pages 26-27 as needed.

OPERATING INSTRUCTIONS

Vertical Leveler w/Automatic Vehicle Restraint

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

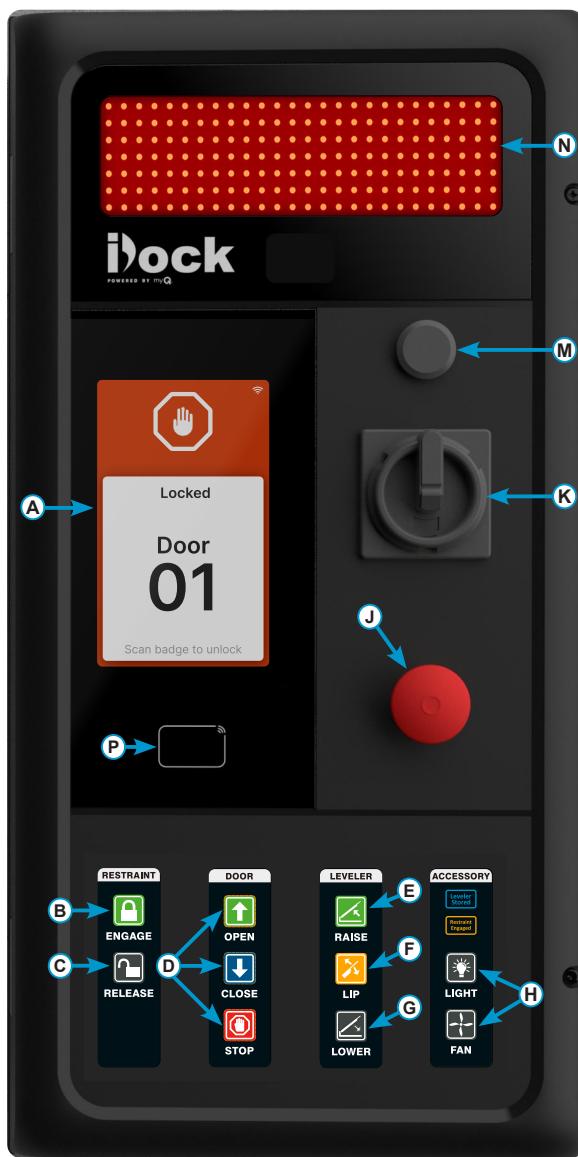
Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen
B - Restraint Engage button
C - Restraint Release button
D - Door buttons (optional)
E - Leveler Raise button
F - Leveler Lip button

G - Leveler Lower button (VS Models)
H - Accessory buttons (optional)
I - Emergency Stop (optional)
J - Disconnect Switch (optional)
K - Audible Alarm
L - Inside Communication Light
M - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Vertical Leveler w/Automatic Vehicle Restraint (continued)

Vertical Leveler w/Automatic Vehicle Restraint

1. Verify message on the Touch Screen (**A**) indicates "ready for use."
2. Open the overhead door, and check to make sure transport vehicle is positioned squarely against both dock bumpers.
3. Press ENGAGE button (**B**) to initiate restraint engage cycle.
4. When vehicle restraint has successfully engaged, communication lights will change and notify driver of loading/unloading.
5. Visually confirm that restraint has successfully captured RIG bar. If capture is not possible, see instructions for "Bypass Mode," on page 46.
6. Press and hold the LOWER button (**G**) until leveler reaches transport vehicle. This will change communication lights to notify driver of loading/unloading.

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 47.

7. Complete loading and/or unloading of transport vehicle.
8. Press and hold the RAISE button (**E**) until the leveler is stored in the upright position. Verify message on the Touch Screen (**A**) indicates "Leveler Stored."
9. Press RELEASE button (**C**) to initiate restraint release and change communications lights to notify driver it is safe to depart.

Auto Re-Engage (TPR, TPR UniLock & Stop AAL Restraints Only)

After restraint has been engaged with successful capture of RIG bar, these restraints will automatically attempt to re-engage if they leave the working zone:

TPR/UniLock and Stop-AAL

- When restraint hook is lowered below the working zone, the controls will automatically attempt to re-engage the hook one (1) time.
 - If hook successfully captures the RIG bar again, the communication lights will show
 - Inside light - GREEN
 - Outside light - RED
 - If hook is unable to re-engage after one (1) attempt, the hook will remain in its current position. The iDock Control System will alert the operator with communication lights and message shown below:
 - Inside light - RED
 - Outside light - RED

Instructions continued on page 46

OPERATING INSTRUCTIONS

Vertical Leveler w/Automatic Vehicle Restraint (Continued)

Vertical Leveler w/Vehicle Restraint - Bypass Mode (after auto-store)

Note: If vehicle restraint cannot successfully engage the transport vehicle, the restraint will automatically return to the stored position. Users have the ability to manually override the lights in Bypass Mode.

1. Complete steps 1-5 in "Vertical Leveler w/Vehicle Restraint" on page 44.
2. When vehicle restraint fails to engage RIG bar, restraint will return to stored position. Verify message on system Message Display:
3. After restraint has stored, the user has the option to override communication lights and proceed without the vehicle restraint in **Bypass Mode**.
 - Press the blue "Bypass Mode" button on the Touch Screen to enable Bypass Mode.
 - Or, the communication lights can be reset by pressing the Release button (**C**).
4. If Bypass Mode is chosen, secure transport vehicle wheels by other means as directed by Touch Screen. Use wheel chocks or a similar method.
5. Press and hold the LOWER button (**G**) until leveler reaches transport vehicle. This will change communication lights to notify driver of loading/unloading.

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 47.

6. Complete loading and/or unloading of transport vehicle.
7. Press and hold the RAISE button (**E**) until the leveler is stored in the upright position. Verify message on the Touch Screen (**A**) indicates "Leveler Stored."
8. Release transport vehicle wheels.
9. Press RELEASE button (**C**) to exit Bypass Mode and change lights to notify driver it is safe to depart.

Vertical Leveler w/Vehicle Restraint - Bypass Mode (through Main Menu)

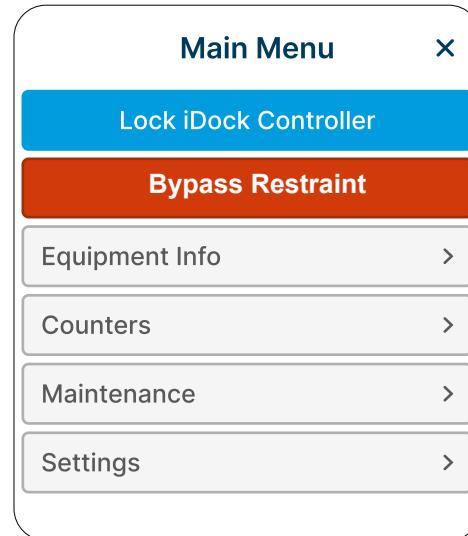
Users can directly enter Bypass Mode via the Main Menu, without attempting to engage the restraint.

1. If Bypass Mode is chosen, secure transport vehicle wheels by other means. Use wheel chocks or a similar method.

Bypass Mode may require a User Code for access. See facility supervisor if necessary.

2. Press gear icon  to enter the Main Menu. Then choose Bypass Restraint:

Note: Once Main Menu is active, both the inside and outside lights will change to solid red with no flashing.



Communication Lights in Bypass Mode:

- Inside light - Alternating GREEN & AMBER
- Outside light - RED

3. Touch Screen will indicate "Restraint Bypassed."
4. Press and hold the LOWER button (**G**) until leveler reaches transport vehicle. This will change communication lights to notify driver of loading/unloading.

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 47.

5. Complete loading and/or unloading of transport vehicle.

OPERATING INSTRUCTIONS

Vertical Leveler w/Automatic Vehicle Restraint (Continued)

6. Press and hold the RAISE button (E) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored."
7. Release transport vehicle wheels.
8. Press RELEASE button (C) to exit Bypass Mode and change lights to notify driver it is safe to depart.

Vertical Leveler- Lip Operation

Note: Vertical Levelers are equipped with LIP button (F). This allows the leveler lip to be independently raised and lowered as needed when the leveler is between stored and below dock positions.

1. Follow operating instructions on pages 44-46 until lip positioning is required.
2. Press and hold the LOWER button (G) to move the leveler out of the stored position. When the platform is lowered to approximately 45 degrees:
 - Press and hold the LIP button (F) and LOWER button (G) simultaneously.
 - The pump will stop running and the lip will fold.
 - To raise the lip plate, press and hold the RAISE (E) and LIP (F) buttons.
3. Continue with operating instructions on pages 44-47 as needed.

Emergency Stop (All Restraints)

If equipped with optional Emergency Stop and E-Stop is activated, once deactivated, the inside lights will flash Red/Amber.

- If restraint is in the stored position, press the RELEASE button (C).
- If restraint is in the engaged position, press the ENGAGE button (B).

Power Interruption (PowerHook and TPR restraints only)

If power to the control box is interrupted, the inside light will flash Red/Amber and the outside light will flash Red. The restraint must then be cycled to teach its position. Touch Screen will indicate: "restraint position unknown."

- If restraint is in the **stored position**, press the RELEASE button (C).
- If restraint is in the **engaged position**, press the ENGAGE button (B).
- If the restraint is in the stored position and the iDock was in **Bypass Mode** before the power interruption, the operator must confirm the transport vehicle is secured by another means. Then select Bypass Mode again using the Operating Mode menu. To enter Bypass Mode again, see instructions on page 46.

OPERATING INSTRUCTIONS

Pit or HED Leveler w/Wheel Based Restraint: UXL with *Door Operated Lights*

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status (Change Lights)

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Accessory buttons (optional)

G - Inside Communication Light

H - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Pit or HED Leveler w/Wheel Based Restraint: UXL with *Door Operated Lights* (Continued)

UXL Restraint - Operating Cycle

1. Check that the transport vehicle is positioned squarely against both dock bumpers. Communication lights will display:
 - Inside Light - RED
 - Outside Light - GREEN
2. Using the handles on the articulating arm, position the chock in front of the transport vehicle wheel and engage the ground plate. (See UXL Owner's manual for more information about chock placement). Communication lights will display:
 - Inside Light - RED
 - Outside Light - RED
3. When chock is positioned and confirms presence of the transport vehicle wheel, the communication lights will display:
 - Inside light - RED & AMBER
 - Outside light - RED
4. Visually inspect restraint for proper engagement. Chock should be locked into ground plate and in front of vehicle tire.
5. Open overhead door using buttons (C) if available and ensure it is clear of dock leveler and material handlers. Communication lights will display:
 - Inside light - GREEN
 - Outside light - RED
6. Position dock leveler onto transport vehicle, by pressing RAISE button (D) if available.
7. When loading or unloading is complete, return dock leveler to the stored position and close overhead door, using buttons (C) if available.
 - Inside light - RED
 - Outside light - ALTERNATING RED/GREEN
8. Remove UXL chock from ground plate and return to stored position. Communication lights will display:
 - Inside light - RED
 - Outside light - GREEN
9. It is now safe for transport vehicle to depart.

UXL Restraint - Bypass Mode (Main Menu)

Users can directly enter Bypass Mode via the Main Menu, without attempting to engage the restraint, if the restraint or interlock sensor is damaged.

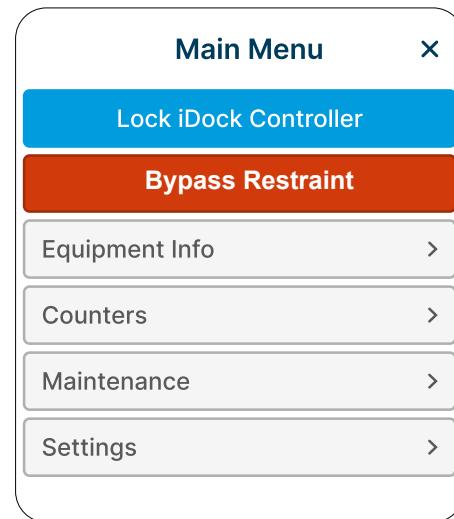
1. If Bypass Mode is chosen, secure transport vehicle wheels by other means.

Note: Do not use standard wheel chock on ground plate. Position standard chocks on pavement only.

Bypass Mode may require a User Code for access. See facility supervisor if necessary.

2. Press gear icon  to enter the Main Menu. Then choose Bypass Restraint:

Note: Once Main Menu is active, both the inside and outside lights will change to solid red with no flashing.



Communication Lights in Bypass Mode:

- Inside light - Alternating GREEN & AMBER
- Outside light - RED

3. Touch Screen will indicate "Restraint Bypassed."
4. Open overhead door.
5. Position dock leveler onto transport vehicle, by pressing Raise button (D) if available.
6. When loading or unloading is complete, return dock leveler to the stored position and close overhead door.
7. Press Status button (C) to exit Bypass Mode and change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Pit or HED Leveler w/Wheel Based Restraint: UXL with *Leveler Operated Lights*

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

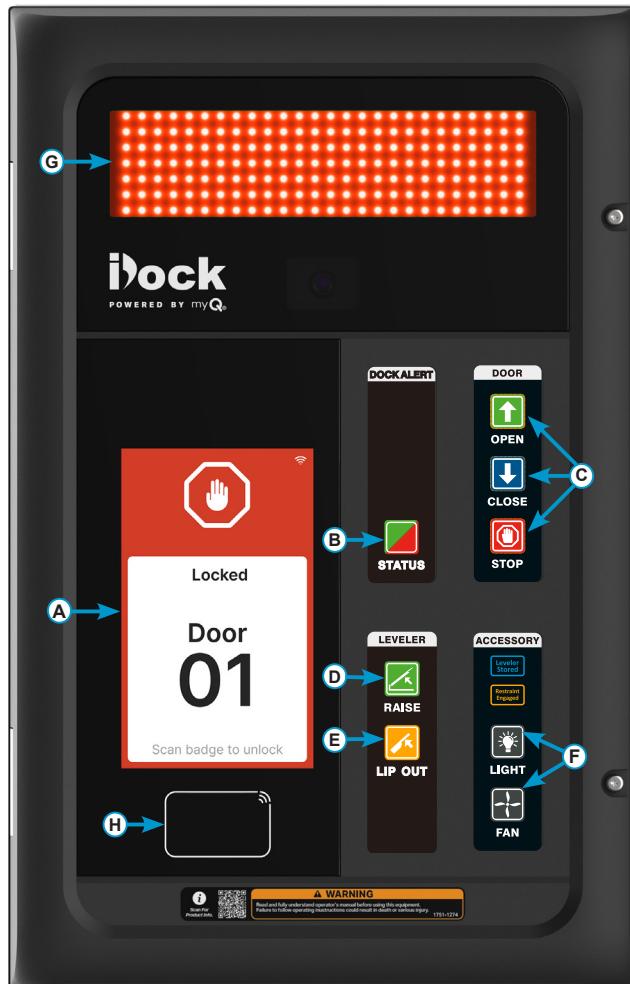
Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status (Change Lights)

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Accessory buttons (optional)

G - Inside Communication Light

H - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Pit or HED Leveler w/Wheel Based Restraint: UXL with Leveler Operated Lights (Continued)

UXL Restraint - Operating Cycle

1. Check that the transport vehicle is positioned squarely against both dock bumpers. Communication lights will display:
 - Inside Light - RED
 - Outside Light - GREEN
2. Using the handles on the articulating arm, position the chock in front of the transport vehicle wheel and engage the ground plate. (See UXL Owner's manual for more information about chock placement). Communication lights will display:
 - Inside Light - RED
 - Outside Light - RED
3. When chock is positioned and confirms presence of the transport vehicle wheel, the communication lights will display:
 - Inside light - RED & AMBER
 - Outside light - RED
4. Visually inspect restraint for proper engagement. Chock should be locked into ground plate and in front of vehicle tire.
5. Open overhead door using buttons (C) if available and ensure it is clear of dock leveler and material handlers. Communication lights will display:
 - Inside light - RED & AMBER
 - Outside light - RED
6. Position dock leveler onto transport vehicle, by pressing RAISE button (D) if available.
 - Inside light - GREEN
 - Outside light - RED
7. When loading or unloading is complete, return dock leveler to the stored position and close overhead door, using buttons (C) if available.
 - Inside light - RED
 - Outside light - ALTERNATING RED/GREEN
8. Remove UXL chock from ground plate and return to stored position. Communication lights will display:
 - Inside light - RED
 - Outside light - GREEN
9. It is now safe for transport vehicle to depart.

UXL Restraint - Bypass Mode (Main Menu)

Users can directly enter Bypass Mode via the Main Menu, without attempting to engage the restraint, if the restraint or interlock sensor is damaged.

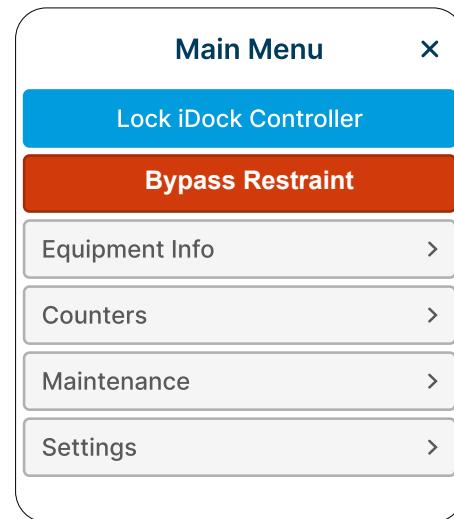
1. If Bypass Mode is chosen, secure transport vehicle wheels by other means.

Note: Do not use standard wheel chock on ground plate. Position standard chocks on pavement only.

Bypass Mode may require a User Code for access. See facility supervisor if necessary.

2. Press gear icon  to enter the Main Menu. Then choose Bypass Restraint:

Note: Once Main Menu is active, both the inside and outside lights will change to solid red with no flashing.



Communication Lights in Bypass Mode:

- Inside light - Alternating GREEN & AMBER
- Outside light - RED

3. Touch Screen will indicate "Restraint Bypassed."
4. Open overhead door.
5. Position dock leveler onto transport vehicle, by pressing Raise button (D) if available.
6. When loading or unloading is complete, return dock leveler to the stored position and close overhead door.
7. Press Status button (C) to exit Bypass Mode and change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Pit or HED Leveler w/Wheel Based Restraint: UniChock with Door Operated Lights

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status (Change Lights)

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Accessory buttons (optional)

G - Inside Communication Light

H - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Pit or HED Leveler w/Wheel Based Restraint: UniChock with *Door Operated Lights* (Continued)

UniChock Restraint - Operating Cycle

1. Check that the transport vehicle is positioned squarely against both dock bumpers. Communication lights will display:
 - Inside Light - RED
 - Outside Light - GREEN
2. Using the handle on the chock, remove the restraint from the storage bracket. Position the chock in front of the transport vehicle wheel. (See UniChock Owner's manual for more information about chock placement). Communication lights will display:
 - Inside Light - RED
 - Outside Light - RED
3. When chock is positioned and confirms presence of the transport vehicle wheel, the communication lights will display:
 - Inside light - RED & AMBER
 - Outside light - RED
4. Visually inspect restraint for proper engagement. Chock should be locked into ground plate and in front of vehicle tire.
5. Open overhead door using buttons (C) if available and ensure it is clear of dock leveler and material handlers. Communication lights will display:
 - Inside light - GREEN
 - Outside light - RED
6. Position dock leveler onto transport vehicle, by pressing RAISE button (D) if available.
7. When loading or unloading is complete, return dock leveler to the stored position and close overhead door, using buttons (C) if available.
 - Inside light - RED
 - Outside light - ALTERNATING RED/GREEN
8. Remove chock from vehicle tire and return to storage bracket. Communication lights will display:
 - Inside light - RED
 - Outside light - GREEN
9. It is now safe for transport vehicle to depart.

UniChock Restraint - Bypass Mode (Main Menu)

Users can directly enter Bypass Mode via the Main Menu, without attempting to engage the restraint, if the restraint or interlock sensor is damaged.

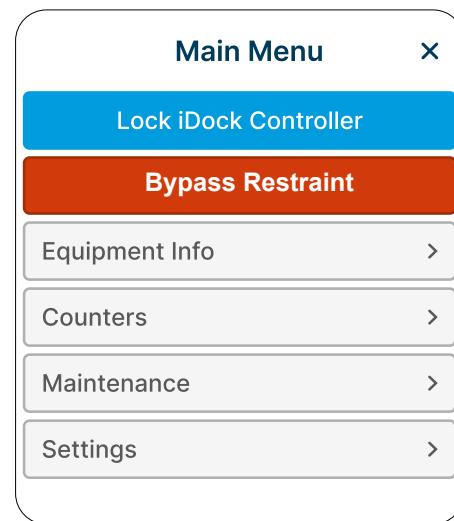
1. If Bypass Mode is chosen, secure transport vehicle wheels by other means.

Note: Do not use standard wheel chock on ground plate. Position standard chocks on pavement only.

Bypass Mode may require a User Code for access. See facility supervisor if necessary.

2. Press gear icon  to enter the Main Menu. Then choose Bypass Restraint:

Note: Once Main Menu is active, both the inside and outside lights will change to solid red with no flashing.



Communication Lights in Bypass Mode:

- Inside light - Alternating GREEN & AMBER
- Outside light - RED

3. Touch Screen will indicate "Restraint Bypassed."
4. Open overhead door.
5. Position dock leveler onto transport vehicle, by pressing Raise button (D) if available.
6. When loading or unloading is complete, return dock leveler to the stored position and close overhead door.
7. Press Status button (C) to exit Bypass Mode and change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Pit or HED Leveler w/Wheel Based Restraint: UniChock with Leveler Operated Lights

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status (Change Lights)

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Accessory buttons (optional)

G - Inside Communication Light

H - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Pit or HED Leveler w/Wheel Based Restraint: UniChock with Leveler Operated Lights (Continued)

UniChock Restraint - Operating Cycle

1. Check that the transport vehicle is positioned squarely against both dock bumpers. Communication lights will display:
 - Inside Light - RED
 - Outside Light - GREEN
2. Using the handle on the chock, remove the restraint from the storage bracket. Position the chock in front of the transport vehicle wheel. (See UniChock Owner's manual for more information about chock placement). Communication lights will display:
 - Inside Light - RED
 - Outside Light - RED
3. When chock is positioned and confirms presence of the transport vehicle wheel, the communication lights will display:
 - Inside light - RED & AMBER
 - Outside light - RED
4. Visually inspect restraint for proper engagement. Chock should be locked into ground plate and in front of vehicle tire.
5. Open overhead door using buttons (C) if available and ensure it is clear of dock leveler and material handlers.
6. Position dock leveler onto transport vehicle, by pressing RAISE button (D) if available. Communication lights will display:
 - Inside light - GREEN
 - Outside light - RED
7. When loading or unloading is complete, return dock leveler to the stored position and close overhead door, using buttons (C) if available.
 - Inside light - RED
 - Outside light - ALTERNATING RED/GREEN
8. Remove chock from vehicle tire and return to storage bracket. Communication lights will display:
 - Inside light - RED
 - Outside light - GREEN
9. It is now safe for transport vehicle to depart.

UniChock Restraint - Bypass Mode (Main Menu)

Users can directly enter Bypass Mode via the Main Menu, without attempting to engage the restraint, if the restraint or interlock sensor is damaged.

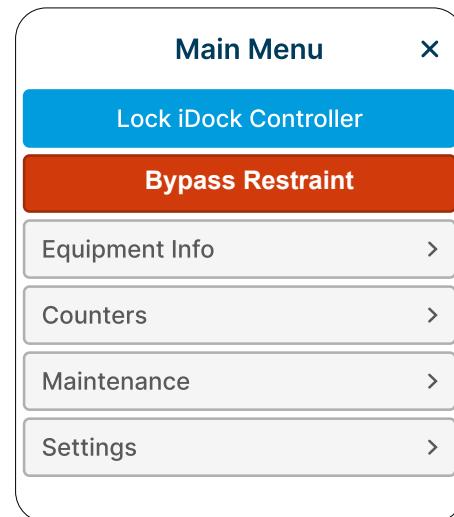
1. If Bypass Mode is chosen, secure transport vehicle wheels by other means.

Note: Do not use standard wheel chock on ground plate. Position standard chocks on pavement only.

Bypass Mode may require a User Code for access. See facility supervisor if necessary.

2. Press gear icon  to enter the Main Menu. Then choose Bypass Restraint:

Note: Once Main Menu is active, both the inside and outside lights will change to solid red with no flashing.



Communication Lights in Bypass Mode:

- Inside light - Alternating GREEN & AMBER
- Outside light - RED

3. Touch Screen will indicate "Restraint Bypassed."
4. Open overhead door.
5. Position dock leveler onto transport vehicle, by pressing Raise button (D) if available.
6. When loading or unloading is complete, return dock leveler to the stored position and close overhead door.
7. Press Status button (C) to exit Bypass Mode and change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Vertical Leveler w/Wheel Based Restraint: UXL with *Door Operated Lights*

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status button

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Leveler Lower button (VS Models)

G - Accessory buttons (optional)

H - Emergency Stop (optional)

J - Disconnect Switch (optional)

K - Audible Alarm

M - Inside Communication Light

N - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Vertical Leveler w/Wheel Based Restraint: UXL with *Door Operated Lights* (Continued)

Vertical Leveler w/UXL Vehicle Restraint

1. Check that the transport vehicle is positioned squarely against both dock bumpers. Communication lights will display:
 - Inside Light - RED
 - Outside Light - GREEN
2. Using the handles on the articulating arm, position the chock in front of the transport vehicle wheel and engage the ground plate. (See UXL Owner's manual for more information about chock placement). Communication lights will display:
 - Inside Light - RED
 - Outside Light - RED
3. When chock is positioned and confirms presence of the transport vehicle wheel, the communication lights will display:
 - Inside light - RED & AMBER
 - Outside light - RED
4. Visually inspect restraint for proper engagement. Chock should be locked into ground plate and in front of vehicle tire.
5. Open overhead door using buttons (C) if available and ensure it is clear of dock leveler and material handlers. Communication lights will display:
 - Inside light - GREEN
 - Outside light - RED
6. Press and hold the LOWER button (F) until leveler reaches transport vehicle.

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 47.

7. Complete loading and/or unloading of transport vehicle.
8. Press and hold the RAISE button (D) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored."
9. Remove UXL chock from ground plate and return to stored position. Communication lights will display:
 - Inside light - RED
 - Outside light - GREEN
10. It is now safe for transport vehicle to depart.

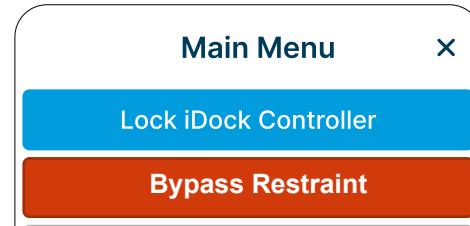
Vertical Leveler w/UXL Restraint - Bypass Mode (through Main Menu)

Users can directly enter Bypass Mode via the Main Menu, without attempting to engage the restraint.

1. If Bypass Mode is chosen, secure transport vehicle wheels by other means. Use wheel chocks or a similar method.

Bypass Mode may require a User Code for access. See *facility supervisor if necessary.*

2. Press gear icon  to enter the Main Menu. Then choose Bypass Restraint:



Note: Once Main Menu is active, both the inside and outside lights will change to solid red with no flashing.

Communication Lights in Bypass Mode:

- Inside light - Alternating GREEN & AMBER
- Outside light - RED

3. Touch Screen will indicate "Restraint Bypassed."
4. Press and hold the LOWER button (F) until leveler reaches transport vehicle.

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 47.

5. Complete loading and/or unloading of transport vehicle.
6. Press and hold the RAISE button (D) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored."
7. Release transport vehicle wheels.
8. Press Status button (B) to exit Bypass Mode and change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Vertical Leveler w/Wheel Based Restraint: UXL with *Leveler Operated Lights*

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status button

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Leveler Lower button (VS Models)

G - Accessory buttons (optional)

H - Emergency Stop (optional)

J - Disconnect Switch (optional)

K - Audible Alarm

M - Inside Communication Light

N - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Vertical Leveler w/Wheel Based Restraint: UXL with *Leveler Operated Lights* (Continued)

Vertical Leveler w/UXL Restraint

1. Check that the transport vehicle is positioned squarely against both dock bumpers. Communication lights will display:
 - Inside Light - RED
 - Outside Light - GREEN
2. Using the handles on the articulating arm, position the chock in front of the transport vehicle wheel and engage the ground plate. (See UXL Owner's manual for more information about chock placement). Communication lights will display:
 - Inside Light - RED
 - Outside Light - RED
3. When chock is positioned and confirms presence of the transport vehicle wheel, the communication lights will display:
 - Inside light - RED & AMBER
 - Outside light - RED
4. Visually inspect restraint for proper engagement. Chock should be locked into ground plate and in front of vehicle tire.
5. Open overhead door using buttons (C) if available and ensure it is clear of dock leveler and material handlers.
6. Press and hold the LOWER button (F) until leveler reaches transport vehicle.
 - Inside light - GREEN
 - Outside light - RED
- Note:** If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 47.
7. Complete loading and/or unloading of transport vehicle.
8. Press and hold the RAISE button (D) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored."
9. Remove UXL chock from ground plate and return to stored position. Communication lights will display:
 - Inside light - RED
 - Outside light - GREEN
10. It is now safe for transport vehicle to depart.

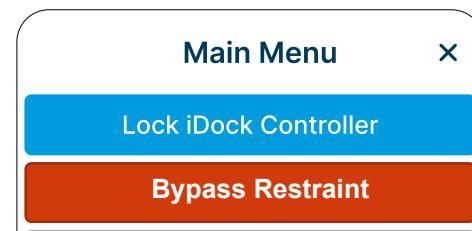
Vertical Leveler w/UXL Restraint - Bypass Mode (through Main Menu)

Users can directly enter Bypass Mode via the Main Menu, without attempting to engage the restraint.

1. If Bypass Mode is chosen, secure transport vehicle wheels by other means. Use wheel chocks or a similar method.

Bypass Mode may require a User Code for access. See *facility supervisor if necessary.*

2. Press gear icon  to enter the Main Menu. Then choose Bypass Restraint:



Note: Once Main Menu is active, both the inside and outside lights will change to solid red with no flashing.

Communication Lights in Bypass Mode:

- Inside light - Alternating GREEN & AMBER
- Outside light - RED

3. Touch Screen will indicate "Restraint Bypassed."
4. Press and hold the LOWER button (F) until leveler reaches transport vehicle.
- Note:** If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 47.
5. Complete loading and/or unloading of transport vehicle.
6. Press and hold the RAISE button (D) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored."
7. Release transport vehicle wheels.
8. Press Status button (B) to exit Bypass Mode and change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Vertical Leveler w/Wheel Based Restraint: UniChock with *Door Operated Lights*

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status button

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Leveler Lower button (VS Models)

G - Accessory buttons (optional)

H - Emergency Stop (optional)

J - Disconnect Switch (optional)

K - Audible Alarm

M - Inside Communication Light

N - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Vertical Leveler w/Wheel Based Restraint: UniChock with *Door Operated Lights* (Continued)

Vertical Leveler w/UniChock Vehicle Restraint

1. Check that the transport vehicle is positioned squarely against both dock bumpers. Communication lights will display:
 - Inside Light - RED
 - Outside Light - GREEN
2. Using the handle on the chock, remove the restraint from the storage bracket. Position the chock in front of the transport vehicle wheel. (See UniChock Owner's manual for more information about chock placement). Communication lights will display:
 - Inside Light - RED
 - Outside Light - RED
3. When chock is positioned and confirms presence of the transport vehicle wheel, the communication lights will display:
 - Inside light - RED & AMBER
 - Outside light - RED
4. Visually inspect restraint for proper engagement. Chock should be locked into ground plate and in front of vehicle tire.
5. Open overhead door using buttons (C) if available and ensure it is clear of dock leveler and material handlers. Communication lights will display:
 - Inside light - GREEN
 - Outside light - RED
6. Press and hold the LOWER button (F) until leveler reaches transport vehicle.

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 47.

7. Complete loading and/or unloading of transport vehicle.
8. Press and hold the RAISE button (D) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored."
9. Remove chock from vehicle tire and return to storage bracket. Communication lights will display:
 - Inside light - RED
 - Outside light - GREEN
10. It is now safe for transport vehicle to depart.

Vertical Leveler w/UniChock Restraint - Bypass Mode (through Main Menu)

Users can directly enter Bypass Mode via the Main Menu, without attempting to engage the restraint.

1. If Bypass Mode is chosen, secure transport vehicle wheels by other means. Use wheel chocks or a similar method.

Bypass Mode may require a User Code for access. See facility supervisor if necessary.

2. Press gear icon  to enter the Main Menu. Then choose Bypass Restraint:



Note: Once Main Menu is active, both the inside and outside lights will change to solid red with no flashing.

Communication Lights in Bypass Mode:

- Inside light - Alternating GREEN & AMBER
- Outside light - RED

3. Touch Screen will indicate "Restraint Bypassed."
4. Press and hold the LOWER button (F) until leveler reaches transport vehicle.

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 47.

5. Complete loading and/or unloading of transport vehicle.
6. Press and hold the RAISE button (D) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored."
7. Release transport vehicle wheels.
8. Press Status button (B) to exit Bypass Mode and change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Vertical Leveler w/Wheel Based Restraint: UniChock with *Leveler Operated Lights*

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

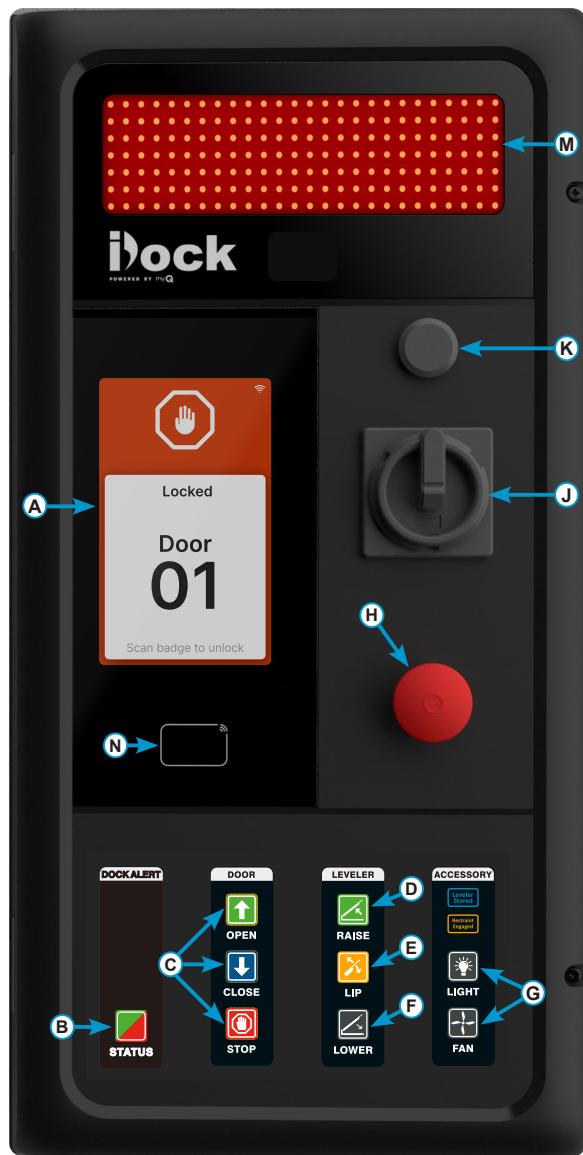
Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen

B - Status button

C - Door buttons (optional)

D - Leveler Raise button

E - Leveler Lip button

F - Leveler Lower button (VS Models)

G - Accessory buttons (optional)

H - Emergency Stop (optional)

J - Disconnect Switch (optional)

K - Audible Alarm

M - Inside Communication Light

N - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Vertical Leveler w/Wheel Based Restraint: UniChock with Leveler Operated Lights (Continued)

Vertical Leveler w/UniChock Vehicle Restraint

1. Check that the transport vehicle is positioned squarely against both dock bumpers. Communication lights will display:
 - Inside Light - RED
 - Outside Light - GREEN
2. Using the handle on the chock, remove the restraint from the storage bracket. Position the chock in front of the transport vehicle wheel. (See UniChock Owner's manual for more information about chock placement). Communication lights will display:
 - Inside Light - RED
 - Outside Light - RED
3. When chock is positioned and confirms presence of the transport vehicle wheel, the communication lights will display:
 - Inside light - RED & AMBER
 - Outside light - RED
4. Visually inspect restraint for proper engagement. Chock should be locked into ground plate and in front of vehicle tire.
5. Open overhead door using buttons (C) if available and ensure it is clear of dock leveler and material handlers.
6. Press and hold the LOWER button (F) until leveler reaches transport vehicle.
 - Inside light - GREEN
 - Outside light - RED

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 47.

7. Complete loading and/or unloading of transport vehicle.
8. Press and hold the RAISE button (D) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored."
9. Remove chock from vehicle tire and return to storage bracket. Communication lights will display:
 - Inside light - RED
 - Outside light - GREEN
10. It is now safe for transport vehicle to depart.

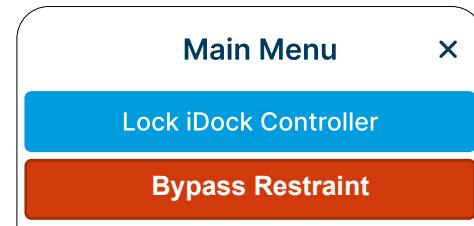
Vertical Leveler w/UniChock Restraint - Bypass Mode (through Main Menu)

Users can directly enter Bypass Mode via the Main Menu, without attempting to engage the restraint.

1. If Bypass Mode is chosen, secure transport vehicle wheels by other means. Use wheel chocks or a similar method.

Bypass Mode may require a User Code for access. See facility supervisor if necessary.

2. Press gear icon  to enter the Main Menu. Then choose Bypass Restraint:



Note: Once Main Menu is active, both the inside and outside lights will change to solid red with no flashing.

Communication Lights in Bypass Mode:

- Inside light - Alternating GREEN & AMBER
- Outside light - RED

3. Touch Screen will indicate "Restraint Bypassed."
4. Press and hold the LOWER button (F) until leveler reaches transport vehicle.

Note: If lip position needs to be adjusted before reaching vehicle bed or below dock, see Lip Operation on page 47.

5. Complete loading and/or unloading of transport vehicle.
6. Press and hold the RAISE button (D) until the leveler is stored in the upright position. Verify message on the Touch Screen (A) indicates "Leveler Stored."
7. Release transport vehicle wheels.
8. Press Status button (B) to exit Bypass Mode and change lights to notify driver it is safe to depart.

OPERATING INSTRUCTIONS

Optional Equipment

Operational Precautions

DANGER

Stay clear of dock leveler and vehicle restraint when transport vehicle is entering or leaving dock area.

DO NOT move or use the dock leveler or restraint if anyone is under or in front of the dock leveler.

Keep hands and feet clear of pinch points. Avoid putting any part of your body near moving parts.

WARNING

Only trained personnel should operate the dock leveler and vehicle restraint.

DO NOT use a broken or damaged dock leveler or vehicle restraint. Make sure proper service and maintenance procedures have been performed on the equipment before operating.

Transport vehicle wheels must be chocked unless the vehicle restraint is used. Never remove the wheel chocks until loading/unloading is finished and transport vehicle driver has been given permission to leave.

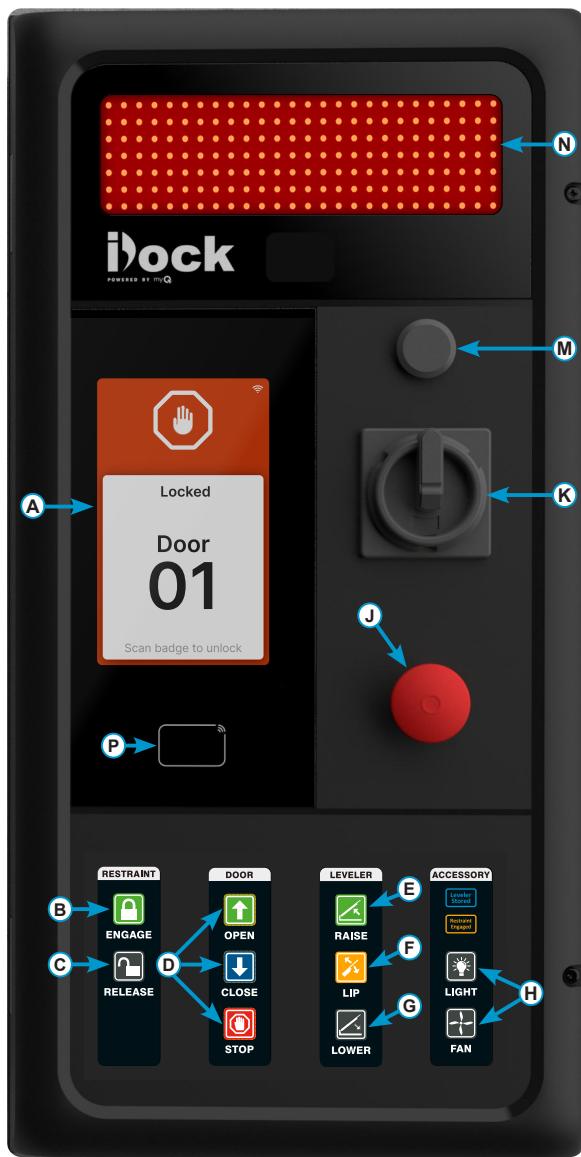
Make sure platform lip rests on the transport vehicle bed with at least 4 in. (102 mm) of overlap.

Maintain a safe distance from side edges of leveler during the loading/unloading process.

WARNING

Once the vehicle restraint has been activated, the dock attendant must visually inspect to assure that the restraint hook has properly engaged the Rear Impact Guard (RIG) bar.

User Interface Overview



A - Touch Screen
B - Restraint Engage button
C - Restraint Release button
D - Door buttons (optional)
E - Leveler Raise button
F - Leveler Lip button

G - Leveler Lower button (VS Models)
H - Accessory buttons (optional)
J - Emergency Stop (optional)
K - Disconnect Switch (optional)
M - Audible Alarm
N - Inside Communication Light
P - RFID Card Reader (optional)

Controller appearance may vary depending on optional equipment.

OPERATING INSTRUCTIONS

Optional Equipment (Continued)

Overhead Door Controls

Note: iDock Control Systems are available with optional integrated Overhead Door controls. These door controls can be interlocked with a transport vehicle restraint or dock leveler as necessary. Due to the large number of possible interlock combinations and sequences, these instructions provide a general overview of door operation.

1. If your iDock is equipped with Overhead Door controls, follow the messages on the touch screen. Some interlocking sequences will allow door operation at different times.
2. Overhead Door buttons (**D**) include the following:
 - Open - Opens Overhead Door
 - Close - Closes Overhead Door
 - Stop - Stops the door when in motion.

Note: Door Buttons can also be used to program LiftMaster Maxum Operators. (See page 24)

Emergency Stop (E-Stop)

Note: For iDock Control Systems equipped with optional Emergency Stop (E-Stop), all functions controlled by the iDock Control System can be halted in place by using the EMERGENCY STOP button:

1. While operating the iDock Control System, press the EMERGENCY STOP button (**J**).
2. iDock equipment being operated will halt in place, and Touch Screen will display "Emergency Stop Active."

Note: Once EMERGENCY STOP is active, both the inside and outside lights will change to solid red with no flashing.

No equipment will be operational and MENU buttons will not function while EMERGENCY STOP is active.

WARNING

When Emergency Stop is active, DO NOT go under the dock leveler, walk or drive on the dock leveler, or leave forklift and/or material sitting on the leveler!

If Emergency Stop button is pressed with the dock leveler unsupported in the working zone, the leveler will descend when E-Stop is released!

Always support the dock leveler by external means if it is necessary to go under the dock leveler.

3. When hazard has been cleared or system must be operated, pull the EMERGENCY STOP button (**J**) outward.
4. Continue operating dock equipment as needed.

Emergency Stop (All Automatic Restraints)

If equipped with optional Emergency Stop and E-Stop is activated, once deactivated, the inside lights will flash Red/Amber.

- If restraint is in the stored position, press the RELEASE button.
- If restraint is in the engaged position, press the ENGAGE button.

Instructions continued on page 46

OPERATING INSTRUCTIONS

Optional Equipment (Continued)

User Interface Overview



A - Touch Screen
B - Restraint Engage button
C - Restraint Release button
D - Door buttons (optional)
E - Leveler Raise button
F - Leveler Lip button
G - Leveler Lower button (VS)

H - Dock Light (optional)
I - Dock Fan (optional)
J - Emergency Stop (optional)
K - Disconnect Switch (optional)
M - Audible Alarm
N - Inside Communication Light
P - RFID Card Reader (optional)



Dock Light

Note: iDock Control Systems equipped with optional Dock Lights provide a multi-use, articulating light assembly that can be switched on and off from the iDock Control Panel.

Dock Light - Operating Modes

• On/Off

1. Press the DOCK LIGHT button (H) to turn the Dock Light on. Position the Dock Light as needed.
2. When use is complete, press the DOCK LIGHT button again to turn the Dock Light off.

• On/Off/Auto w/door (optional feature)

Note: Feature requires door switch interlocking.

1. Open the overhead door. Dock Light will automatically turn on. Position the Dock Light as needed.
2. When use is complete, close the overhead door. Dock Light will automatically turn off.

• On/Off/Auto w/leveler (optional feature)

Note: Feature requires leveler stored switch interlocking.

1. Operate the dock leveler. When the leveler leaves the stored position, Dock Light will automatically turn on. Position the Dock Light as needed.
2. When use is complete, return the dock leveler to the stored position. Dock Light will automatically turn off.

Dock Fan

If the controller is configured for a Dock Fan, use button (I) to turn the fan On/Off.

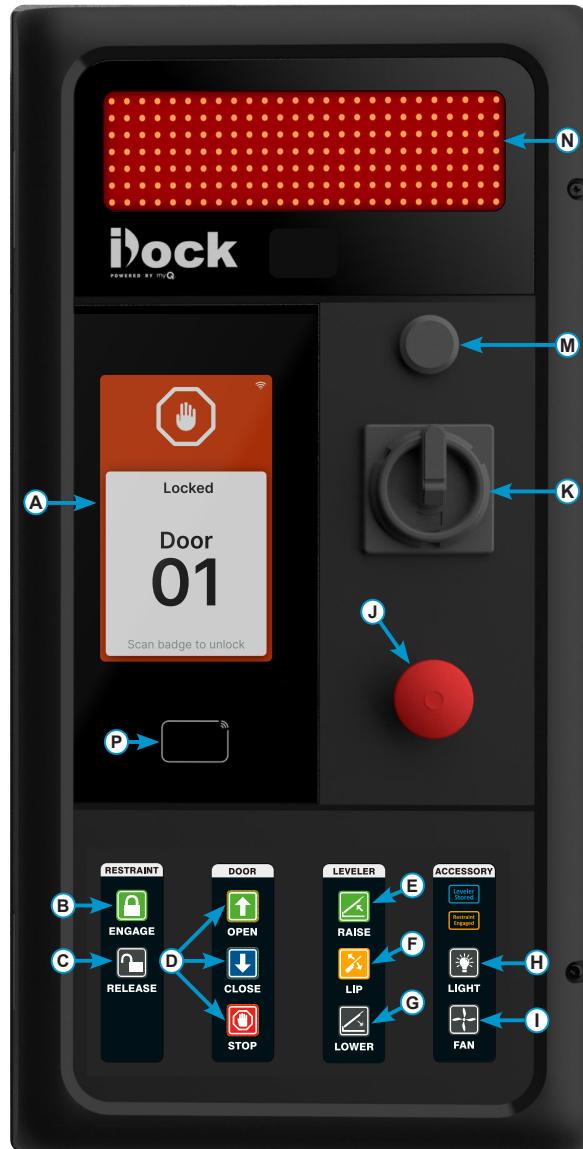
OPERATING INSTRUCTIONS

Optional Equipment (Continued)

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MAINTENANCE

User Interface Overview



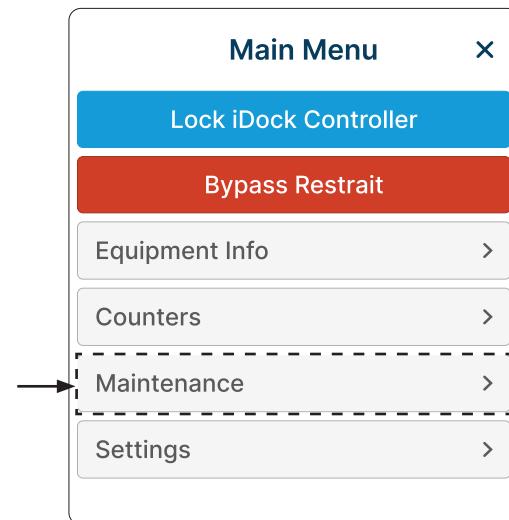
A - Touch Screen
B - Restraint Engage button
C - Restraint Release button
D - Door buttons (optional)
E - Leveler Raise button
F - Leveler Lip button
G - Leveler Lower button (VS)

H - Dock Light (optional)
I - Dock Fan (optional)
J - Emergency Stop (optional)
K - Disconnect Switch (optional)
M - Audible Alarm
N - Inside Communication Light
P - RFID Card Reader (optional)

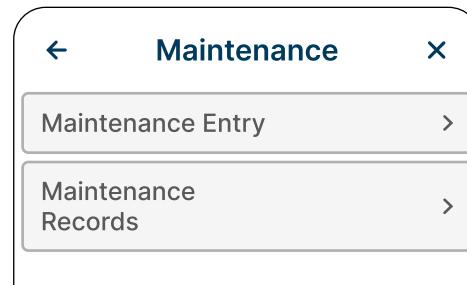
Maintenance

Access the menu:

1. Press the gear icon  to enter the Main Menu. Then choose Maintenance.

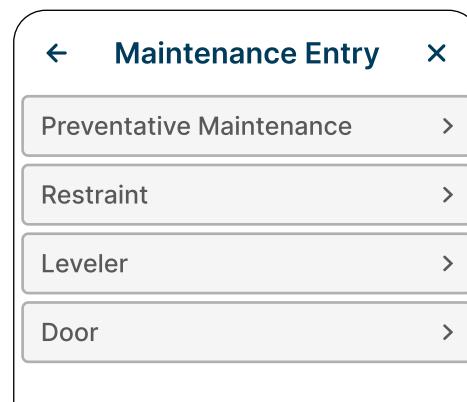


2. This Menu allows a user to log a maintenance record or view maintenance history.



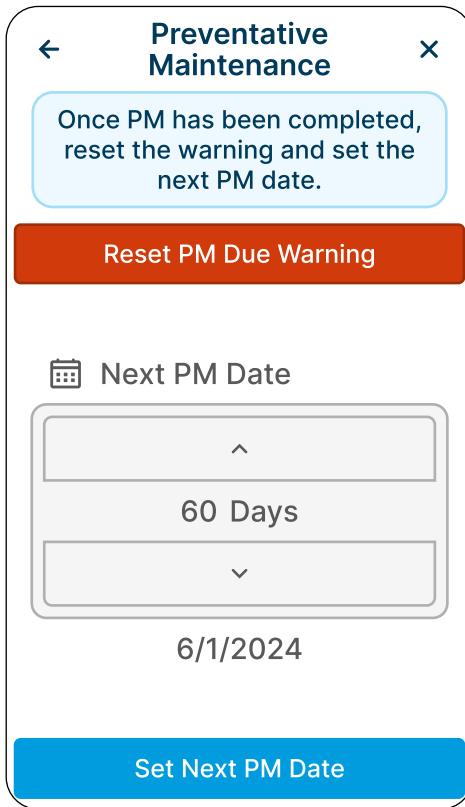
Maintenance Entries:

Select Maintenance Entry to log a maintenance activity for one of the following areas:



Maintenance Entries (Continued):

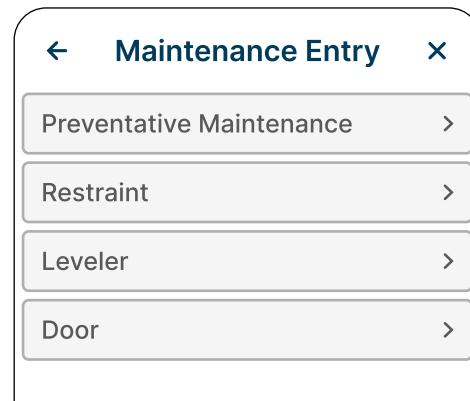
3. Select Preventative Maintenance to open the menu and log an entry:



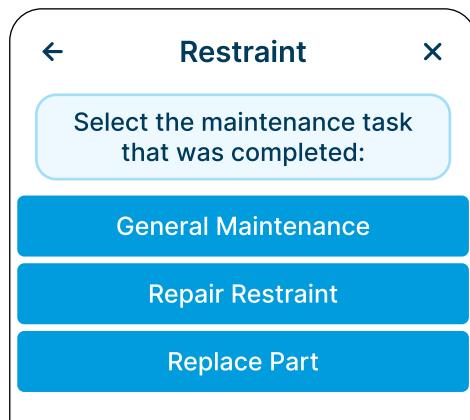
4. If the preventative maintenance warning has appeared on the controller, select "Reset PM Due Warning" on the display.
5. To adjust the next PM Date, use the up and down arrows to adjust the time frame until the desired maintenance date. Then select, "Set Next PM Date."

Equipment Maintenance Entry:

1. Select the equipment for maintenance to open the menu and log an entry:



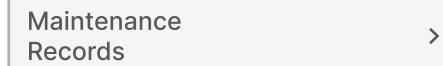
2. The select the type of work being done:



3. After selecting the appropriate action, the display will indicate the activity was logged and record it with a time stamp.

Maintenance logged:
8/2/2025 12:00AM

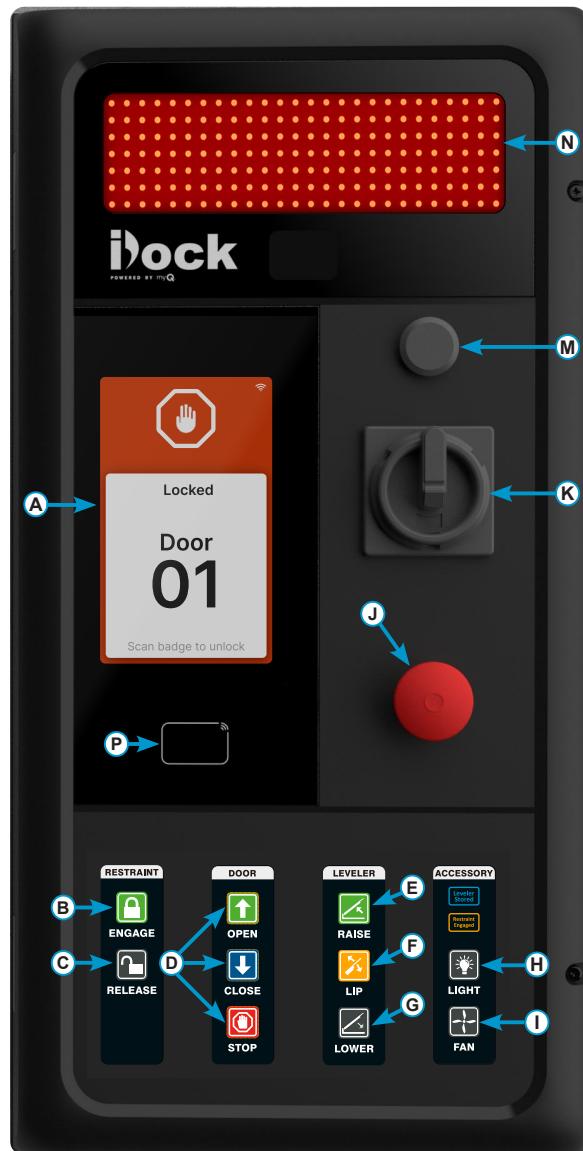
Maintenance Records:



Maintenance Records will display a list of the recorded maintenance that has been performed to this dock position.

MAINTENANCE

User Interface Overview



A - Touch Screen
B - Restraint Engage button
C - Restraint Release button
D - Door buttons (optional)
E - Leveler Raise button
F - Leveler Lip button
G - Leveler Lower button (VS)

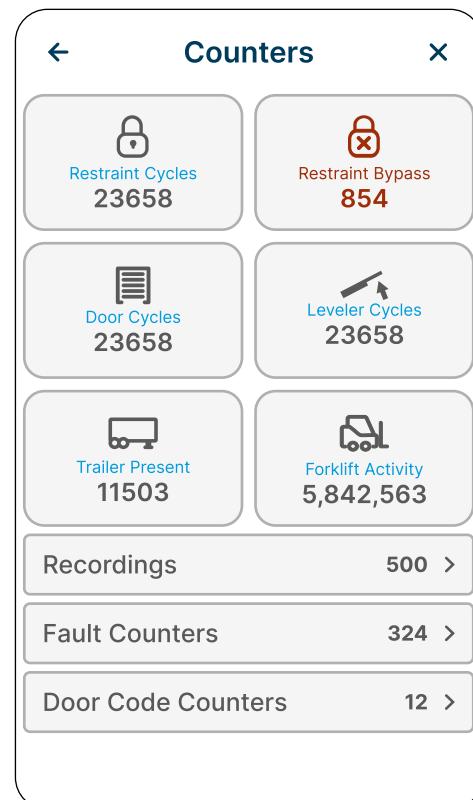
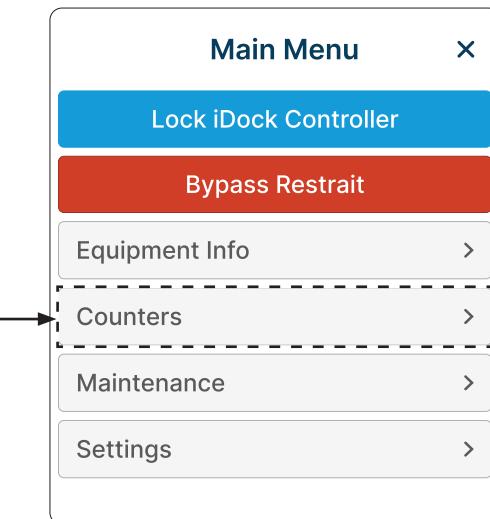
H - Dock Light (optional)
I - Dock Fan (optional)
J - Emergency Stop (optional)
K - Disconnect Switch (optional)
M - Audible Alarm
N - Inside Communication Light
P - RFID Card Reader (optional)

Counters

The Counters Menu provides useful data for analytics and troubleshooting.

Access the menu:

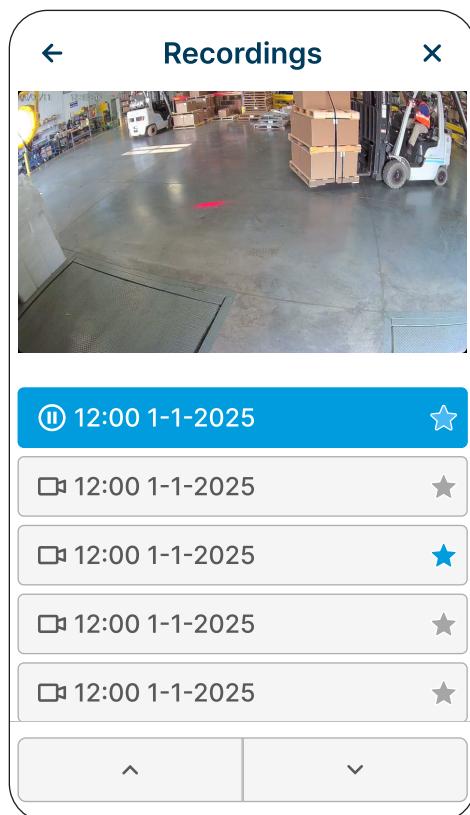
1. Press the gear icon to enter the Main Menu. Then choose Counters.



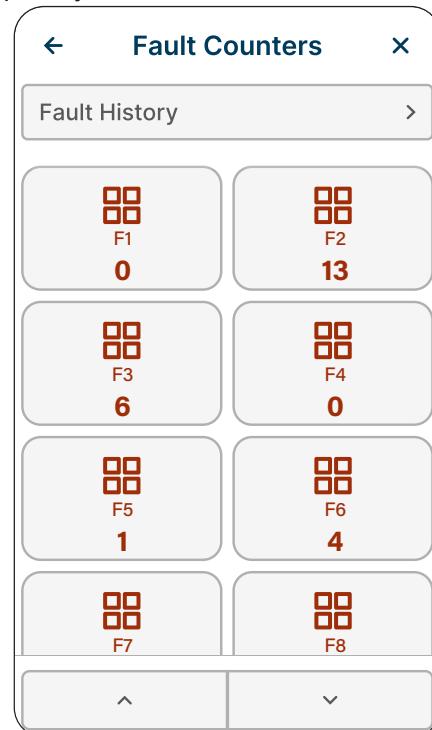
Counters (Continued)

Equipment counters track loading dock activity to provide insight into facility operations and events at a given loading dock. The following counters are available:

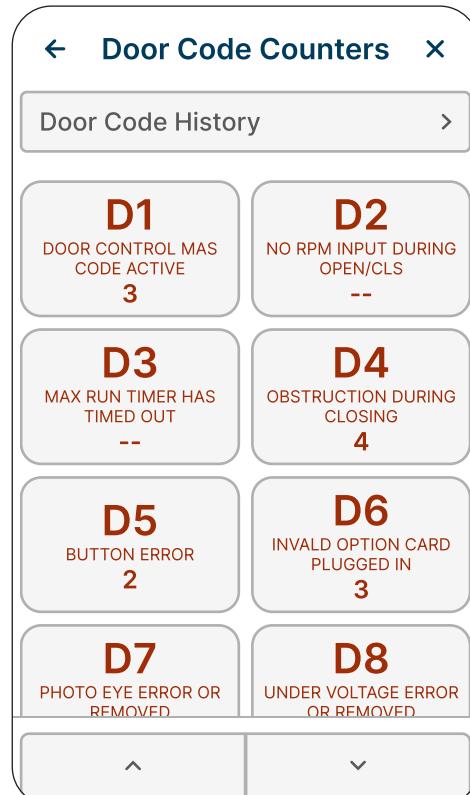
- **Restraint Cycles:** counts the number of times a vehicle restraint engages and releases a vehicle.
- **Restraint Bypass:** counts the number of times that use of the vehicle restraint was bypassed at the controller. Usually due to a damaged truck or trailer.
- **Door Cycles:** counts the number of times that a loading dock door was opened and closed. (Door control buttons on iDock required)
- **Leveler Cycles:** counts the number of times that a dock leveler was deployed and stored.
- **Trailer Present:** counts the number of times that a transport vehicle was detected at the loading dock. (Optional Sensor required)
- **Forklift Activity:** counts the number of times a forklift enters and exits a transport vehicle.
- **Recordings:** video recordings of activity at the loading dock.



- **Fault Counters:** displays a list of the possible controller faults and shows the frequency of occurrence.



- **Door Code Counters:** displays a list of possible door operator faults and shows the frequency of occurrence.



TROUBLESHOOTING

Interlocking Options Chart

Description	Option Code	iDock Options Required	Equipment Required
Door Opened before Leveler Operates	N/A (Standard)	None	<ul style="list-style-type: none"> Overhead door operator with auxiliary Door Open contact or Door Open sensor
Restraint Engaged (or in Bypass) before Leveler Operates	RELO (1)	None	None
Restraint Engaged (or in Bypass) before Door Opens	REDO (2)	<ul style="list-style-type: none"> Overhead Door Controls 	None
Leveler Stored before Restraint Releases	LSRR (3)	None	<ul style="list-style-type: none"> Dock leveler with Leveler Stored contact
Leveler Stored before Door Closes	LSDC (4)	<ul style="list-style-type: none"> Overhead Door Controls 	<ul style="list-style-type: none"> Dock leveler with Leveler Stored contact
Door Opened before Restraint Engages	DORE (5)	None	<ul style="list-style-type: none"> Overhead door operator with auxiliary Door Open contact or Door Open sensor
Door Closed before Restraint Releases	DCRR (6)	None	<ul style="list-style-type: none"> Overhead door operator with auxiliary Door Closed contact or Door Closed sensor
Restraint Engaged (or in Bypass) before Leveler Operates Leveler Stored before Restraint Releases	COMBO RELO/LSRR (COMBO 13)	None	<ul style="list-style-type: none"> Dock leveler with Leveler Stored contact
Restraint Engaged (or in Bypass) before Door Opens Door Closed before Restraint Releases	COMBO REDO/DCRR (COMBO 26)	<ul style="list-style-type: none"> Overhead Door Controls 	<ul style="list-style-type: none"> Overhead Door Operator with auxiliary Contacts or Door Sensors
Restraint Engaged (or in Bypass) and Door Open before Leveler Operates Leveler Stored before Restraint Releases or Door Closes	COMBO RELO/LSRR/LSDC (COMBO 134)	<ul style="list-style-type: none"> Overhead Door Controls 	<ul style="list-style-type: none"> Dock leveler with Leveler Stored contact Overhead door operator with auxiliary Door Open contact or Door Open sensor
Restraint Engaged (or in Bypass) before Leveler Operates Restraint Engaged (or in Bypass) before Door Opens Leveler Stored before Restraint Releases Leveler Stored before Door Closes Door Closed before Restraint Releases	COMBO RELO/REDO/LSRR/LSDC/DCRR (COMBO 12346)	<ul style="list-style-type: none"> Overhead Door Controls 	<ul style="list-style-type: none"> Dock leveler with Leveler Stored contact Overhead door operator with auxiliary Door Open & Door Closed contacts or Door Open & Door Closed sensors
Door Open before Restraint Engages Restraint Engaged (or in Bypass) before Leveler Operates Leveler Stored before Restraint Releases Leveler Stored before Door Closes	COMBO DORE/RELO/LSRR/LSDC (COMBO 5134)	<ul style="list-style-type: none"> Overhead Door Controls 	<ul style="list-style-type: none"> Dock leveler with Leveler Stored contact

iDock Fault Codes

CAUTION

A safe work environment requires all equipment to be working correctly. DO NOT use a malfunctioning iDock Control System or any other loading dock equipment with broken or missing parts.

The iDock Control System is capable of diagnosing and reporting faults as they occur; the fault history is accessible by maintenance staff and/or service providers in the Maintenance menu (see page 50).

If your iDock Control System is displaying a fault code, please contact your maintenance staff and/or service provider with equipment and fault information.

See the following tables for fault code details:

Page 78: System Faults

Page 79: Dock Leveler Faults

Page 80: TPR/UniLock Restraint Faults

Page 81: PowerStop/Stop-Tite Restraint Faults

Page 82: PowerHook Faults

Page 84: Liftmaster MAS Faults

If troubleshooting assistance is required, contact Systems, LLC Technical Services.

Toll Free: 800-643-5424

E-Mail: techservices@loadingdocksystems.com

TROUBLESHOOTING

System Faults

#	Fault	Cause	Troubleshooting
1	RED OSLA FAIL (RED OUTSIDE LIGHT FAILURE)	Red outside light current draw is 0 amps.	Check outside light for damage or failure. Check field wiring connections at terminal board and outside light. Check outside light for correct voltage (12v).
2	GRN OSLA FAIL (GREEN OUTSIDE LIGHT FAILURE)	Green outside light current draw is 0 amps.	Check outside light for damage or failure. Check field wiring connections at terminal board and outside light. Check outside light for correct voltage (12v).
3	IN LIGHT FAIL (INSIDE LIGHT FAILURE)	Inside LED assembly current draw is 0 amps.	Check inside LED cable connection to main board. Check inside LED cable for cuts or kinks. Check inside LED solder connections for damage or breaks. Check main board for damage near LED cable connection.
4	DOUBLE GREEN LIGHT FAILURE	Inside LED assembly and outside light assembly are green. This is not a permissible state	Cycle power. Check field wiring connections at terminal board and outside light assembly. If problem persists, contact systems technical services.
50	LOW VOLTAGE (LOW SYSTEM VOLTAGE)	Low input voltage from 12v power supply to terminal board.	Verify sufficient line voltage input to control box. Adjust 12v power supply to ensure voltage output is 24 VDC or higher. Replace 24v power supply if voltage input is adequate yet voltage output cannot be adjusted over 24 VDC.
51	CRC CHECK (CRC CHECK ERROR)	Memory or configuration error.	Cycle power. If problem persists, update main board firmware via SD card. If problem still persists, contact Systems Technical Services.
52	COMM LOSS (COMMUNICATION LOSS)	Communication loss between main board and terminal board.	Cycle power. Inspect RJ45 cable for damage to connectors, kinks, or cuts. If fault resets but is reoccurring, contact Systems Technical Services.
53	EXP COMM (EXPANSION BRD COMMUNICATE ERR)	Communication loss between terminal board and expansion board.	Cycle power. If problem persists, check and re-seat connection between boards. If problem still persists, contact Systems Technical Services.
54	MAIN COMM (TERMINAL BRD COMMUNICATE ERR)	Communication loss between main board and terminal board.	Cycle power. Inspect RJ45 cable for damage to connectors, kinks, or cuts. If problem persists, Contact Systems Technical Services.

TROUBLESHOOTING

Dock Leveler Faults

#	Fault	Cause	Troubleshooting
27	MAX RT EXC'D (LEVELER MAX RUNTIME EXCEEDED)	Leveler motor/pump has been continuously running for too long.	Check membrane for damage to RAISE button. Check motor/pump operation. Check pressure relief valve for proper setting. Check hydraulic system for fluid leaks.
30	MAX RT EXC'D (LEVELER MAX RUNTIME EXCEEDED)	Blower motor has been continuously running for too long.	Check membrane for damage to RAISE button. Check blower motor operation. Check lifting system for air leaks.
31	HYD FLD LVL (LOW LEVELER HYD FLUID LEVEL)	Oil level sensor has turned OFF.	Check fluid sensor for proper placement and operation. Verify field wiring to fluid sensor. Check hydraulic system for fluid leaks.
32	FAIL 2 DPLOY (LVLR FAIL TO DEPLOY IN TIME)	Leveler stored sensor remains ON too long after beginning operation.	Bleed hydraulic system if not already completed. Check for and clear obstructions if present. Check lip prox/stored limit switch for proper operation. Verify field wiring to lip prox/ stored limit switch. Check motor/pump operation during cycle.

TROUBLESHOOTING

TPR/UniLock Restraint Faults

#	Fault	Cause	Troubleshooting
5	REENGAGE FAIL (REENGAGEMENT FAILURE)	Restraint attempted auto re-engage and failed.	Check for and clear obstructions or RIG wedge if present. Check LS1 limit switch for correct open/close operation. Check for chain or motor failure.
6	STAY STORED (RESTRAINT STAYED STORED)	Restraint stored limit/prox switch remains on too long after pressing ENGAGE.	Check for and clear obstructions or RIG wedge if present. Check moving components for binding or damage. Check LS2 limit switch for correct open/close operation. Check for chain or motor failure.
7	STAY WRK ZONE (RESTRAINT STAYED ENGAGED)	Working zone limit/prox switch remains on too long after pressing RELEASE.	Check for and clear obstructions or RIG wedge if present. Check moving components for binding or damage. Check LS1 & LS2 limit switch for correct open/close operation. Check for chain or motor failure.
8	NO RTN 2 STRD (RESTRAINT DID NOT STORE)	Both working zone and stored sensors remain off too long after pressing RELEASE.	Check for and clear obstructions or RIG wedge if present. Check moving components for binding or damage. Check LS2 limit switch for correct open/close operation. Check for chain or motor failure.
9	RST SNSRS ON (BOTH RESTRAINT SENSORS ON)	Both working zone (LS1) and stored (LS2) sensors are ON at the same time.	Check LS1 & LS2 limit switch for correct open/close operation. Verify field wiring to LS1 & LS2 limit switches.

TROUBLESHOOTING

PowerStop/Stop-Tite Restraint Faults

#	Fault	Cause	Troubleshooting
6	STAY STORED (RESTRAINT STAYED STORED)	Restraint stored limit/prox switch remains on too long after pressing ENGAGE.	Check for and clear obstructions if present. Check moving components for binding or damage. Check prox switches for correct open/close operation. Check motor/pump operation.
7	STAY WRK ZONE (RESTRAINT STAYED ENGAGED)	Working zone limit/prox switch remains on too long after pressing RELEASE.	Check for and clear obstructions if present. Check moving components for binding or damage. Check prox switches for correct open/close operation. Check motor/pump operation.
8	NO RTN 2 STRD (RESTRAINT DID NOT STORE)	Both working zone and stored sensors remain off too long after pressing RELEASE.	Check for and clear obstructions if present. Check moving components for binding or damage. Check prox switches for correct open/close operation. Check motor/pump operation.
12	RST SNSRS ON (BOTH RSTRAINT SENSORS ON)	Both RIG and stored sensors are ON at the same time.	Check for and clear obstructions if present. Check trailer for unusually low RIG bar when air suspension is fully purged. Check RIG sensor and prox switch for proper operation. Check motor/pump operation.

TROUBLESHOOTING

PowerHook Restraint Faults

#	Fault	Cause	Troubleshooting
6	STAY STORED (RESTRAINT STAYED STORED)	Innermost guide track sensor remains on too long after pressing ENGAGE.	Check for and clear obstructions if present. Check innermost guide track prox switch for proper operation. Check motor/pump operation.
20	FAIL 2 EXTND (FAILED TO EXTEND IN TIME)	Outermost guide track sensor remains ON too long after Hook attempts extending.	Check for and clear obstructions if present. Check outermost guide track prox switch for proper operation. Check motor/pump operation.
21	FAIL 2 ENGAG (FAILED TO ENGAGE IN TIME)	Middle guide track sensor AND pressure switch remain OFF too long after Hook attempts retracting.	Check for and clear obstructions if present. Check middle guide track prox switch for proper operation. Verify field wiring to C1 & C2 solenoid coils. Verify field wiring to pressure differential switch. Check motor/pump operation.
22	FAIL 2 LOWER (FAILED TO LOWER IN TIME)	Trunnion sensor remains OFF too long after Hook attempts lowering.	Check for and clear obstructions if present. Check rear trunnion prox switch for proper operation. Verify field wiring to B & D solenoid coils. Check motor/pump operation.
23	FAIL 2 RTRCT (FAILED TO RETRACT IN TIME)	Innermost guide track sensor AND pressure switch remain OFF too long after Hook attempts retracting.	Check for and clear obstructions if present. Check innermost guide track prox switch for proper operation. Verify field wiring to C1 & C2 solenoid coils. Verify field wiring to pressure differential switch. Check motor/pump operation.
24	FAIL 2 RAISE (FAILED TO RAISE IN TIME)	Trunnion sensor remains ON too long after Hook attempts raising.	Check for and clear obstructions if present. Check rear trunnion prox switch for proper operation. Verify field wiring to B & D solenoid coils. Check motor/pump operation during cycle.
25	MAX RT EXC'D (RESTRAINT MAX RUNTIME EXCEEDED)	Restraint motor/pump has been continuously running for too long without completing cycle.	Check for and clear obstructions if present. Check all guide track prox switches for proper operation. Check motor/pump operation. Check pressure relief valve for proper setting.
26	FAIL 2 EXTND (FAILED TO EXTEND IN TIME)	Outermost guide track sensor remains ON too long after Hook attempts extending.	Check for and clear obstructions if present. Check outermost guide track prox switch for proper operation. Check motor/pump operation.
28	WZ SNSR FAIL (WORKING ZONE SENSOR FAILURE)	Innermost guide track sensor is ON while middle guide track sensor is OFF.	Check all guide track prox switches for proper operation. Verify field wiring to all guide track prox switches.

TROUBLESHOOTING

PowerHook Restraint Faults (continued)

#	Fault	Cause	Troubleshooting
29	FX SNSR FAIL (EXTENDED SENSOR FAILURE)	Innermost guide track sensor or middle guide track sensor is ON while outermost guide track sensor is OFF.	Check all guide track prox switches for proper operation. Verify field wiring to all guide track prox switches.
33	PSI SWITCH (PRESSURE SWITCH ACTIVATED)	Innermost guide track sensor is OFF while pressure switch is ON after Hook attempts retracting.	Check for and clear obstructions if present. Check innermost guide track prox switch for proper operation. Verify field wiring to C1 & C2 solenoid coils. Verify field wiring to pressure differential switch. Check motor/pump operation.

TROUBLESHOOTING

LiftMaster® MAS Codes

When a LiftMaster® Maintenance Alert System (MAS)-capable Logic 5.0 commercial door operator is interfaced with the iDock Control System, the Control System is capable of diagnosing and reporting LiftMaster® MAS codes as they occur; the code history is accessible by maintenance staff and/or service providers in the Maintenance menu. If your iDock Control System is displaying a MAS code, please contact your maintenance staff and/or service provider with equipment and fault information.

See the following tables for code details. For more information on MAS codes and reset instructions, see LiftMaster® Installation Manual.

! CAUTION

A safe work environment requires all equipment to be working correctly. DO NOT use a malfunctioning iDock Control System or any other loading dock equipment with broken or missing parts.

#	Fault	Symptom	Solution
D1	DOOR CONTROL MAS CODE ACTIVE	Normal operation.	The MAS has been triggered by a cycle or month count. See LiftMaster® Installation Manual for reset instructions.
D2	NO RPM INPUT DURING OPEN/CLS	The door only responds to constant pressure commands.	Clutch is slipping, adjust clutch, or verify RPM sensor connection or replace RPM sensor.
D3	MAX RUN TIMER HAS TIMED OUT	The door stops before reaching the desired time.	Check the operator for any faults (e.g. , bad limit switch), program the Max Run Timer OR reset to factory defaults.
D4	OBSTRUCTION DURING CLOSING	Operator will reverse to OPEN position.	Remove obstruction or realign photoelectric sensor.
D5	BUTTON ERROR	The control station will not respond.	The control station must be fixed or replaced before it will be recognized as an input.
D6	INVALID OPTION CARD PLUGGED IN	Option card will not function properly.	Refer to LiftMaster® Installation Manual accessories page for list of supported option card(s).
D7	PHOTO EYE ERROR OR REMOVED	Normal operation (5 second constant pressure override required to close).	Cleared when entrapment protection device is cleared or connected.
D8	UNDER VOLTAGE ERROR OR REMOVED	Operator will run as long as enough power is present.	1. Check AC line for voltage. 2. Check transformer secondary for low voltage. Too many accessories may be connected to the transformer.
D9	POWER BOARD FAILURE	No operator movement.	Replace power board.
D10	NOT IN PRGM MODE/JUMPER CHG	The phase will not change.	Enter programming mode and move phase jumper to change phase.
D11	OVER VOLTAGE ERROR	Operator will run as long as a component failure does not occur.	1. Check AC line for voltage. 2. Voltage to be within +/- 10% of intended voltage.
D12	CURRENT SENSE FAULT	Motor moves for limited cycles, then motor no longer moves.	1. Check current sense wiring connection. 2. Cycle operator power after wiring has been corrected.

TROUBLESHOOTING

PARTS

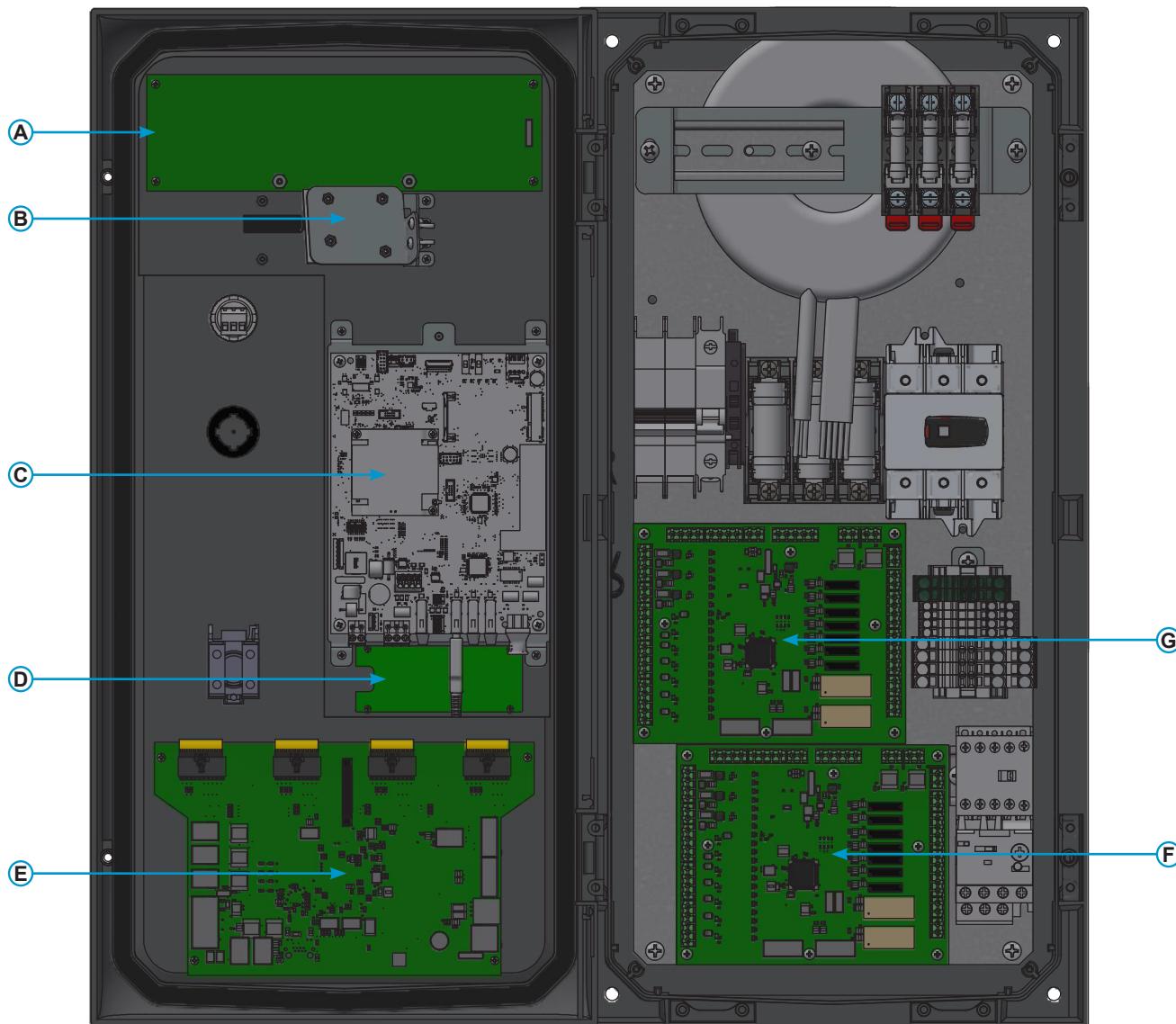
External Components



Item	Quantity	Part Number	Description
A	1	0961-100004	7" MIPI SCREEN DISPLAY, IDOCK2
B	*	0961-XXXXXX	MEMBRANE, IDOCK2, RESTRAINT
C	*	0961-XXXXXX	MEMBRANE, IDOCK2, DOOR BUTTONS
D	*	0961-XXXXXX	MEMBRANE, IDOCK2, LEVELER OPERATION
E	*	0961-XXXXXX	MEMBRANE, IDOCK2, ACCESSORIES
F	*	0961-XXXX	PB,RED,E-STOP
G	*	0961-XXXXXX	DISCONNECT SWITCH
H	*	3051-100022	ALARM,UL4X,80 DB12-24VAC/VDC

* Note: Controller size and configuration may vary. Reference Original Equipment order to ensure correct components are chosen.

Internal Components

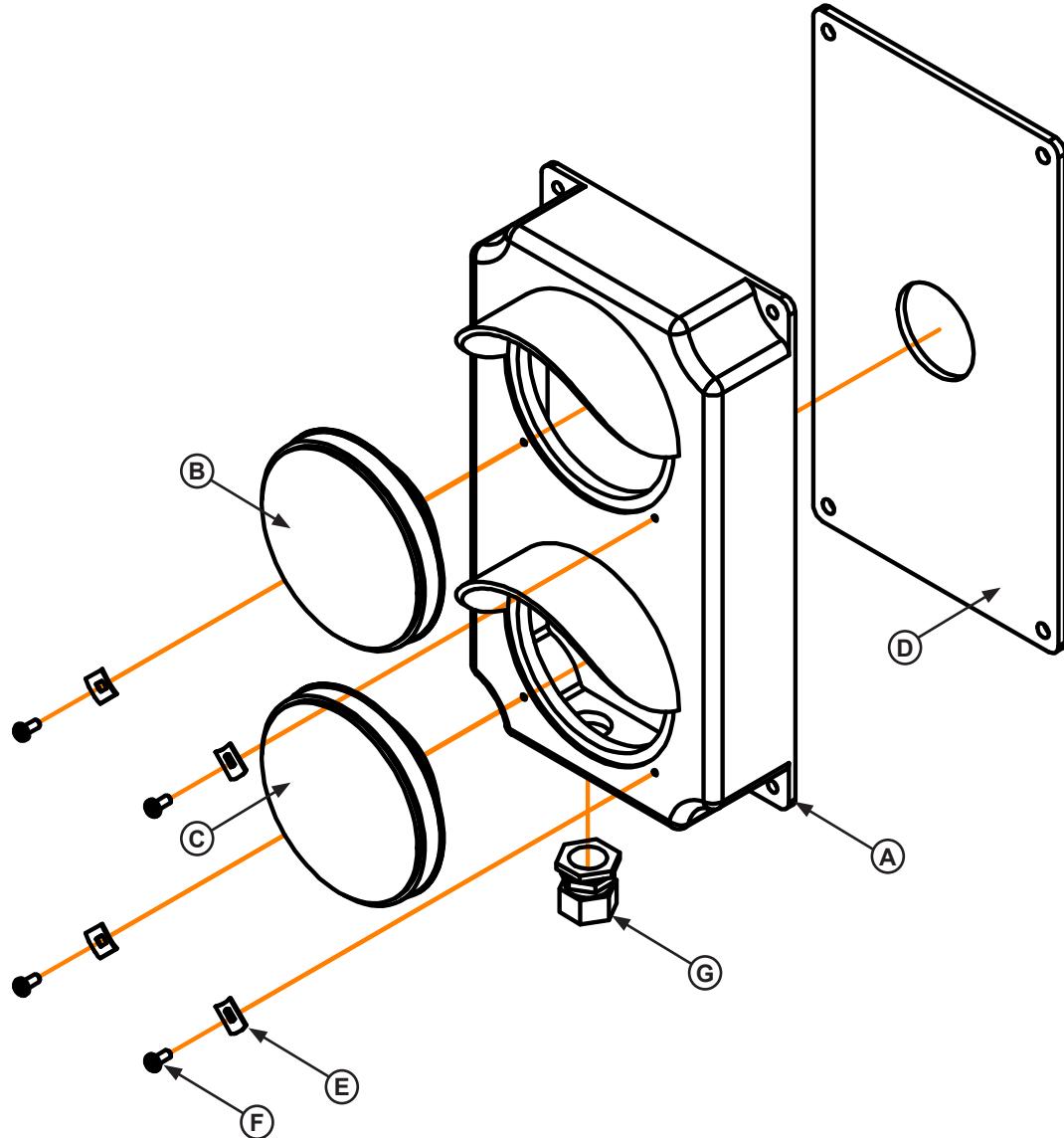


Item	Quantity	Part Number	Description
A	1	7141-100008	PCB ASSEMBLY, IDOCK2, LED ARRAY, COMM
B	1	0962-100003	RIGHT HAND BRACKET ASSY, IDOCK2, CAMERA (shown)
	*	0962-100006	LEFT HAND BRACKET ASSY, IDOCK2, CAMERA (not shown)
	1	3051-100003	PCB ASSEMBLY, IDOCK2, CAMERA
C	1	7141-100006	PCB ASSEMBLY, IDOCK2, CARRIER BOARD
D	1	7141-100005	PCB ASSEMBLY, IDOCK2, CARD READER
E	1	7141-100001	PCB ASSEMBLY, IDOCK2, CONTROLLER BOARD
F	1	7141-100003	MAIN, PCB ASSEMBLY, IDOCK2, IO BOARD
G	*	7141-100003	EXPANSION, PCB ASSEMBLY, IDOCK2, IO BOARD

* Note: Controller size and configuration may vary. Reference Original Equipment order to ensure correct components are chosen.

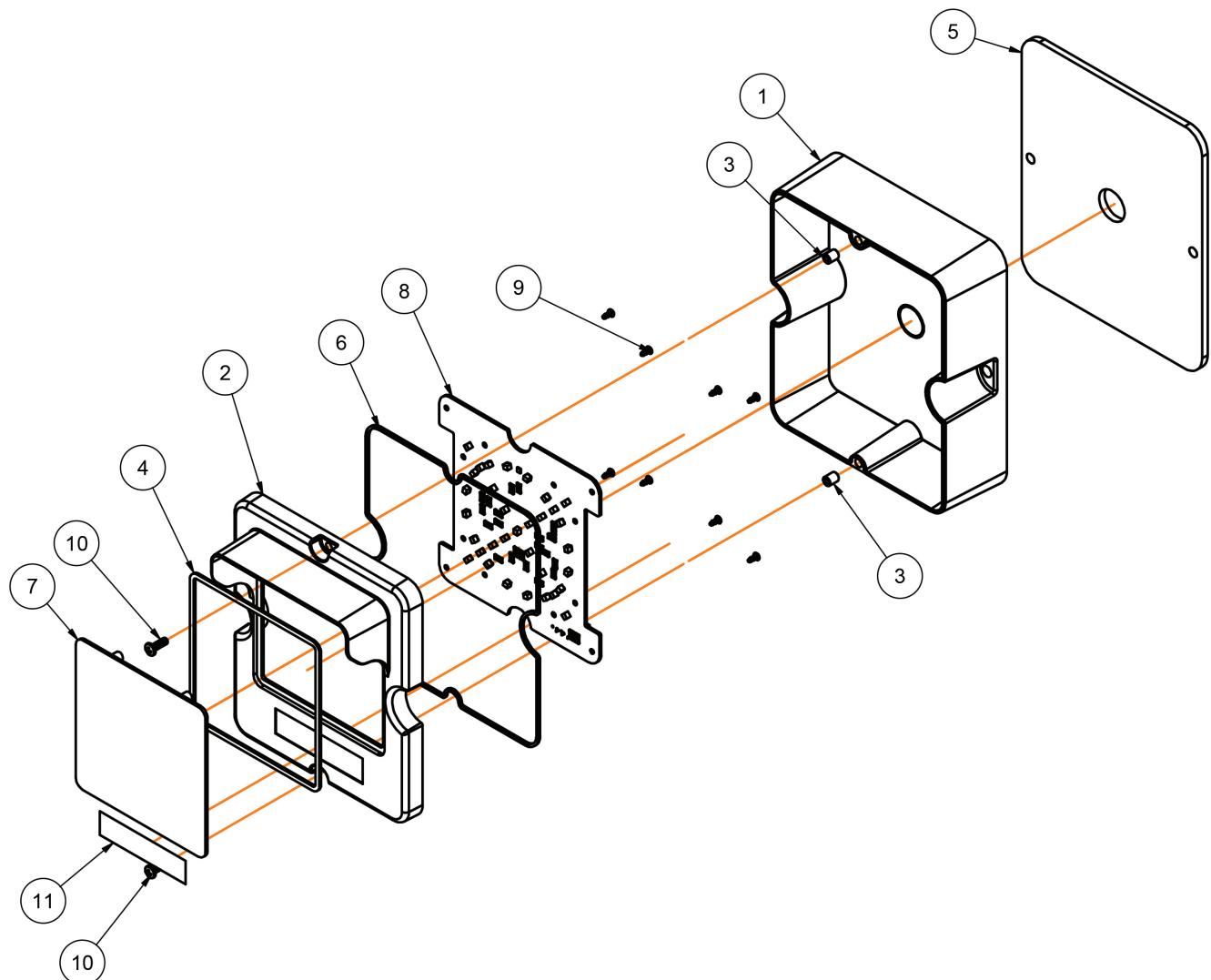
PARTS

OSLA (Outside Light Assembly) Units Shipped Prior to 10/2024



Item	Quantity	Part Number	Description
*	1	3055-0011	Complete Light Housing, Yellow Plastic, With 12v LED Lights*
A	1	3051-0002	Light Housing Only, Yellow Plastic
B	1	3051-0147	Red LED Lens/Housing/Circuit Assembly, 12v
C	1	3051-0149	Green LED Lens/Housing/Circuit Assembly, 12v
D	1	3051-0068	Mounting Gasket
E	4	3051-0105	Clip, Lens Holding
F	4	3051-0104	Screw, Lens Holding
G	1	*	Conduit Fastener, 3/4" x 3/8"

OSLA (Outside Light Assembly) Units Shipped After 10/2024



Item	Qty	Part No.	Description
1	1	3051-0432	Housing, Polycarbonate, OSLA
2	1	3051-0426	Cover, Polycarbonate, OSLA
3	2	3051-0427	Thru-Insert, 8-32 Unc, 5/16
4	1	3051-0428	Gasket, Lens, OSLA
5	1	3051-0429	Gasket, Foam, OSLA
6	1	3051-0430	Gasket, Cover, OSLA
7	1	3051-0431	Lens Cover, Polycarbonate, OSLA
8	1	7141-0398	Pcb, Led, OSLA
9	8	2101-0346	Screw, Phtfs, #4-24 X 0.25
10	2	2101-0022	#8-32 Unc X 0.50
11	1	1751-1421	Decal, Systems, OSLA

PARTS

Signs



(A)



(C)



(B)

Item	Part Number	Description
A	1751-0033	Outside Sign, Pull In/Out
B	1751-0034	Outside Sign, Pull In/Out (Mirror Image)
C	1751-0036	Inside Sign, Enter On Green Only

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MISCELLANEOUS

myQ Enterprise

myQ Enterprise



The advertisement features the myQ Enterprise logo at the top left, followed by the text "Intelligent Dock Management". Below this is a photograph of a loading dock area with several semi-trucks. Blue circles highlight specific components: a truck present sensor on a trailer, a dock leveler, a forklift activity sensor, a door open/closed sensor on a building, and a fluid sensor on a vehicle restraint. A central text box states: "Bringing **informed insights** to previously invisible processes with **Connected Hardware** at every key access point".

With optional iDock Sensors, the iDock Control System can log detailed dock and door cycle count and traffic information for future reference:

- Truck Present Sensors log each time a transport vehicle is present at a dock position.
- Door Open and Door Closed provide data on how long facility doors are left open, and can also be incorporated into interlock sequences.
- Forklift Activity Sensors track each time a forklift enters or exits a transport vehicle.
- Fluid Sensors notify the equipment operator when the dock leveler or vehicle restraint is running low on hydraulic fluid.

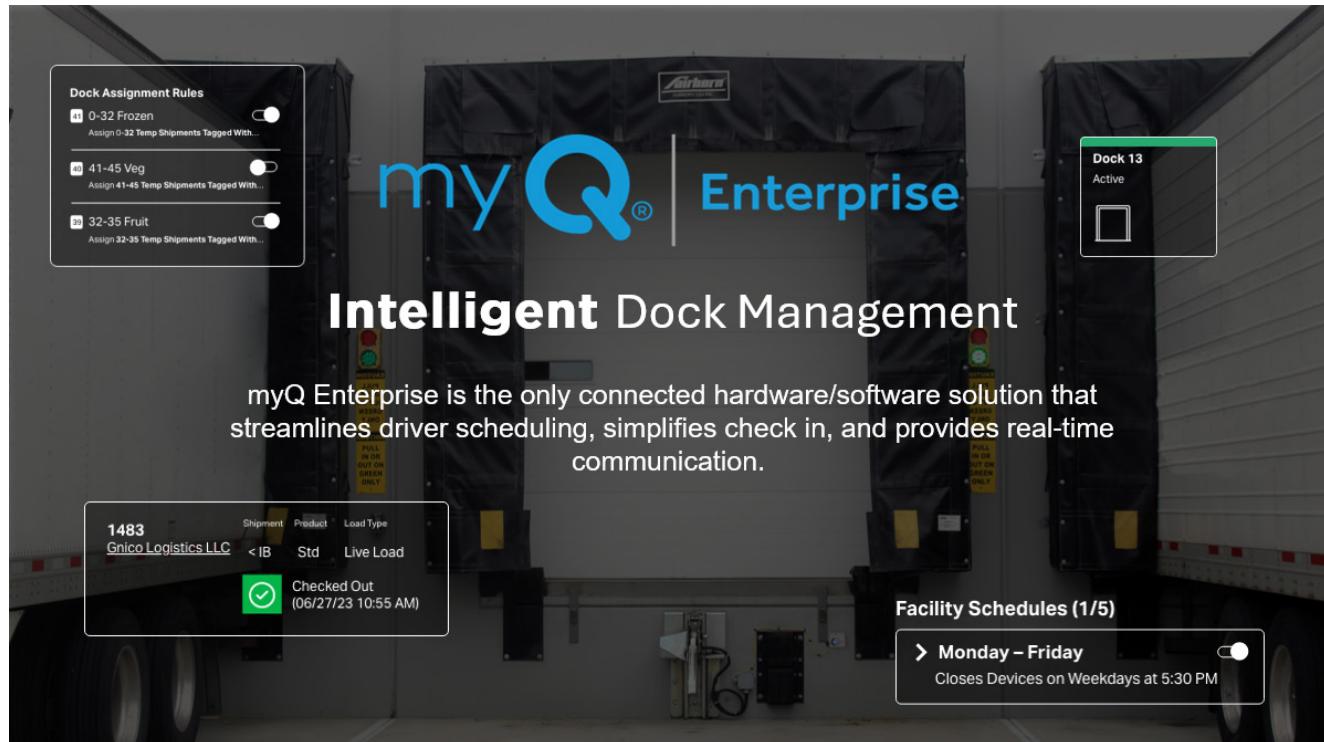
Loading dock sensors and iDock Controls from brands of Systems can also send data to the cloud with myQ® Dock Management, an online software of loading dock analytics. See page 78 for more information on myQ® Dock Management

Interested in Optional Sensors?

We are here to assist you Monday through Friday from 8am-4:30pm CST.
Call us at 262-255-1510 or toll free at 1-800-643-5424. E-mail us at Sales@LoadingDockSystems.com.

myQ Enterprise

Monitor and improve your loading dock efficiency online with myQ Enterprise. Once your dock equipment from brands of Systems is installed with iDock Controls and connected online, simply create an online facility account at myQ.com and review the analytics of your loading dock activity.



Improve Efficiency



Simplify Maintenance



Prioritize Safety



Tighten Security

Want to see myQ Enterprise in action?

We are here to assist you Monday through Friday from 8am-4:30pm CST.
Call us at 262-255-1510 or toll free at 1-800-643-5424. E-mail us at Sales@LoadingDockSystems.com.

iDock 2 controllers are designed to work with LiftMaster Maxum door operators. Eliminate the need for wall controls and additional field wiring. Simplify installation and improve safety and efficiency by combining iDock 2 and Maxum together.

Transform
your operations
with MAXUM.

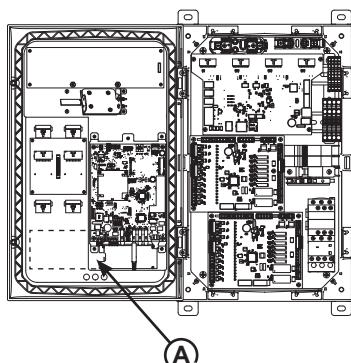
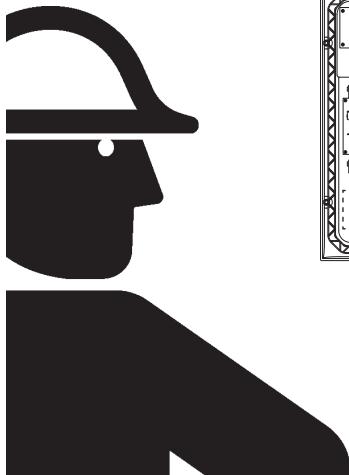


MAXUM CONFIGURATION

- Eliminates the need for outdated 3-button wall controls used by every competitor.
- Streamlines operations with a modern, centralized interface.

MISCELLANEOUS

Customer Information



Model: IDOCK 2.0

Order No: 500000



Designed, Engineered and Manufactured in the U.S.A. By
www.LoadingDockSystems.com/patents



NOTE: Refer to figures for orientation of control box and example of decal.

The CONTROL BOX model/serial number decal is located on the inside of the enclosure door (A).

When you receive your new equipment, write down the model and serial number in the form provided. This will help ensure safe keeping of the numbers in the event the model/serial number decal (A, B) becomes lost or damaged.

Also, write down Systems, LLC's job number, the company that installed the dock leveler, and the original owner's name. This will all help to identify the specific dock leveler if more information is required.

When ordering, use part numbers and description to help identify the item ordered. Do not use "item" numbers. These are only for locating the position of the parts. Always give dock leveler MODEL NUMBER and/or SERIAL NUMBER.

For service, call or contact:

Systems, LLC
P.O. Box 309
Germantown, WI 53022

Phone: (800) 643-5424
Fax: (262) 255-5917

www.loadingdocksystems.com

iDock Control System Information

Model _____

Serial No. _____

Systems, LLC, Job No. _____

Dock Leveler Information

Model _____

Serial No. _____

Systems, LLC, Job No. _____

Vehicle Restraint Information

Model _____

Serial No. _____

Systems, LLC, Job No. _____

Original Owner Information

Name _____

Address _____

Installer Information

Name _____

Address _____

Date of Installation _____

STANDARD PRODUCT WARRANTY

SYSTEMS, LLC warrants that its products will be free from defects in design, materials and workmanship for a period of one (1) year from the date of shipment. All claims for breach of this warranty must be made within 30 days after the defect is or can with reasonable care, be detected. In no event shall any claim be made more than 30 days after this warranty has expired. In order to be entitled to the benefits of this warranty, the product must have been properly installed, maintained and operated in accordance with all manufacturer's recommendations and/or specified design parameters and not otherwise have been subject to abuse, misuse, misapplication, acts of nature, overloading, unauthorized repair or modification, application in a corrosive environment or lack of maintenance. Periodic lubrication, adjustment and inspection in accordance with all manufacturers' recommendations are the sole responsibility of the Owner/User.

In the event of a defect, as determined by SYSTEMS LLC, covered by this warranty, SYSTEMS LLC shall remedy such defect by repairing or replacing any defective equipment or parts, bearing the cost for the parts, labor and transportation. This shall be exclusive remedy for all claims whether based on contract, negligence or strict liability.

WARRANTY LIMITATIONS

THE ABOVE WARRANTIES ARE IN LIEU OF ANY OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SYSTEMS LLC AND ITS SUBSIDIARIES SHALL NOT IN ANY EVENT BE LIABLE TO ANYONE, INCLUDING THIRD PARTIES, FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY KIND INCLUDING BUT NOT LIMITED TO, BREACH OF WARRANTY, LOSS OF USE, LOSS OF PROFIT, INTERRUPTION OF BUSINESS OR LOSS OF GOODWILL.